

Varnost informacijskih sistemov



Matej Kovačič

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Varnost ni izdelek

- Varnost ni izdelek oziroma nekaj, kar lahko kupimo, namestimo in pozabimo, pač pa gre za proces.
- Varnostno kulturo je treba razvijati in gojiti neprestano.
- Informacijska varnost in varnost v prometu: ni dovolj samo dober avto in opravljen izpit, znanje o varnosti je potrebno obnavljati in uporabljati neprestano.

Kaj je varnost?

- Overjanje, avtentikacija (ang. *authentication*): kdo je pošiljatelj, ko je prejemnik?
- Zaupnost (ang. *confidentiality*): sporočilo ostane znano samo pošiljatelju in prejemniku.
- Nadzor nad dostopom (ang. *access control*): kdo lahko dostopi do sporočila, beleženje dostopov.
- Avtorizacija (ang. *authorization*): kaj nekdo s sporočilom lahko stori?
- Dostopost (ang. *availability*): je sporočilo dostopno?

Kaj je varnost?

- Celovitost (ang. *integrity*): sporočilo ostane nespremenjeno.
- Preprečevanje tajenja (ang. *nonrepudiation*): pošiljatelj kasneje ne more zatajiti sporočila, prejemnik ne more zatajiti prejema.
- Dopustnost (ang. *admissibility*): varnost terminalne opreme, zagotovilo, da na terminalni opremi na kateri se bo avtenticiral uporabnik in kjer bo uporabnik bral sporočilo ni zlonamernih mehanizmov.

Napad

Napadi na računalniške sisteme

- napadi, ki predpostavljajo **fizični dostop** do računalnika;
- **omrežni napadi** (napadi na komunikacije, napadi na virtualni prostor);
- **zbiranje** različnih **informacij** na internetu;
- posredni, preko napadov na **uporabnika** (socialni inženiring, prevare).

Fizični dostop

Fizični dostop do računalnika

- Nevarnost zasega podatkov.
- Nevarnost podtikanja prikritega mehanizma (npr. programske aplikacije ali strojnega dodatka), s katerim napadalec pridobi dostop do računalnika ali si ustvari možnosti za krajo gesel.
- Zavrzene računalniške komponente, ki vsebujejo trajne pomnilnike (trdi diski, tiskalniki, mobilni telefoni,...).
- Večuporabniška okolja.



“Bump key”



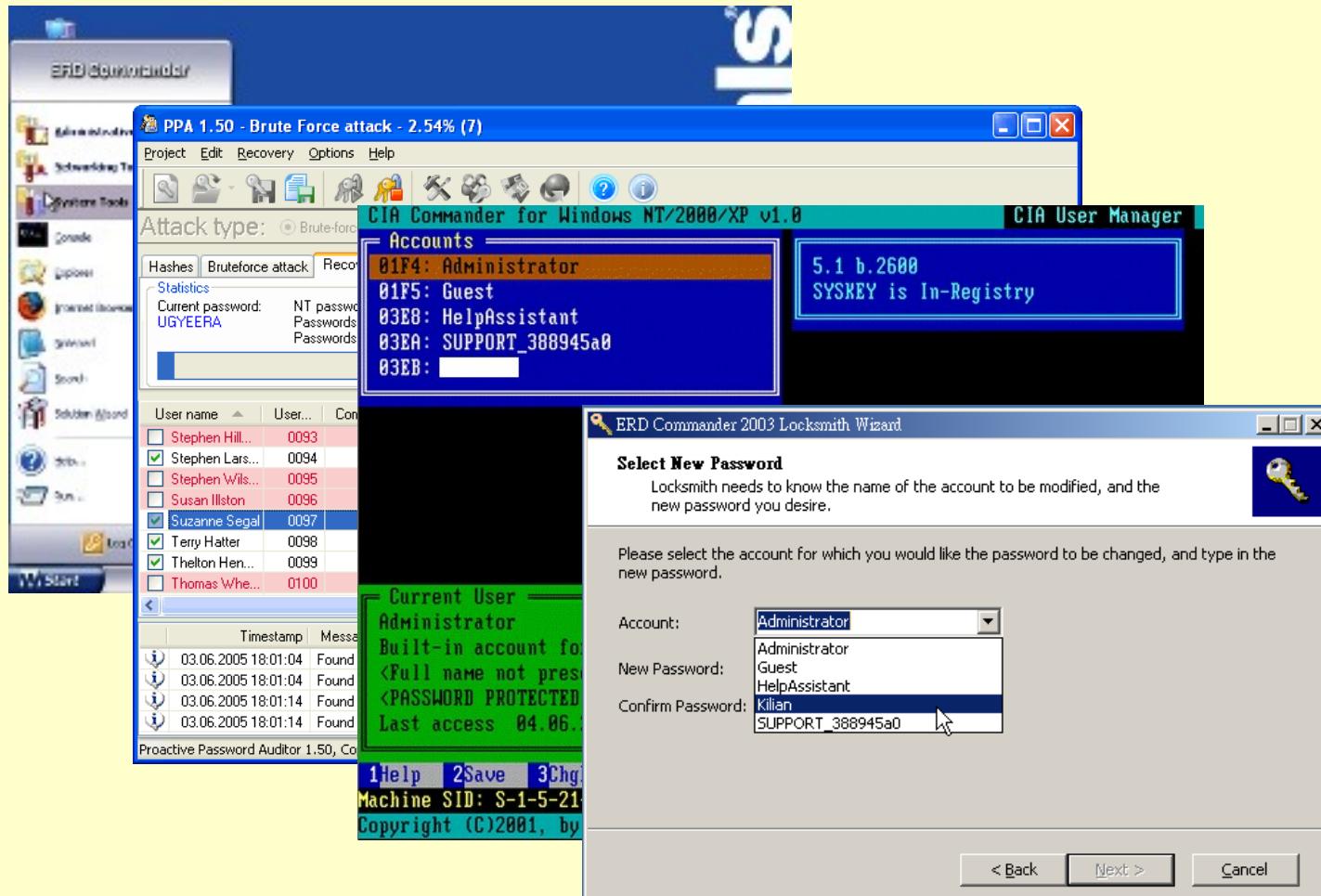
Obnavljanje "izbrisanih" podatkov

- Običajno brisanje datotek in celo formatiranje trdih diskov podatkov ne izbriše trajno.
- Poseben problem predstavlja brisanje začasnega pomnilnika (ang. *swap file*) pri zaustavitvi oz. hibernaciji računalnika.
- Vsebino že izbrisanih datotek je z različnimi orodji in tehnikami mogoče obnoviti deloma ali v celoti.

16	n.a. d.z. o.r. .n.
32	a. . i.n. t.e. r.n.
48	e.t. u... v. .
64	s.k. l.a. d.u. .z.
80	.d. o.g. o.v. o.r.
96	o.m. .V. a.m. .s.
112	p.o. r.o. ...a. m. .
128	a.e. .m. o.j. .n.
144	a.s. l.o. v... .M.
160	a.t. e.j. .K. o.v.
176	a... i... ,... [REDACTED]
192	[REDACTED]
208	[REDACTED]
224	[REDACTED]
240	,. . n.a. s.l. o.v.
256	.e. l.e. k.t. r.o.
272	n.s. k.e. .p. o.a.
288	t.e. :.. m.a. t.e.
304	j... k.o. v.a. c.i.
320	c.@[REDACTED]
336	[REDACTED]
352	i.n. .G. S.M. .a.
368	t.e. v.i. l.k. o...[REDACTED]
384	[REDACTED]
400	[REDACTED]
416 L.e. p. . p.o.
432	z.d. r.a. v.,.
448	M.a. t.e. j. . K.o.
464	v.a. ...i.
480
496

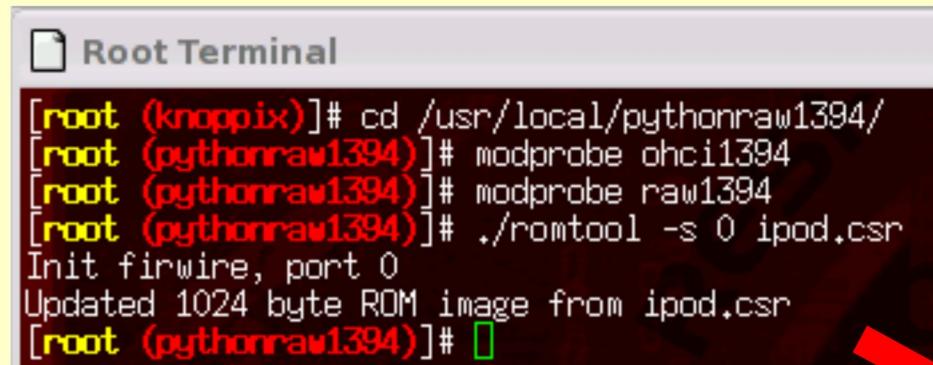
Forenzična analiza diska z orodjem Autopsy Forensic Browser.

“Obnavljanje” Windows gesel



Orodja za “obnavljanje” “pozabljenih” gesel za dostop do operacijskega sistema Windows (zahtevajo fizični dostop).

Zaseg RAM-a preko FireWire vmesnika



```
[root (knoppix)]# cd /usr/local/pythonraw1394/  
[root (pythonraw1394)]# modprobe ohci1394  
[root (pythonraw1394)]# modprobe raw1394  
[root (pythonraw1394)]# ./romtool -s 0 ipod.csr  
Init firwire, port 0  
Updated 1024 byte ROM image from ipod.csr  
[root (pythonraw1394)]#
```

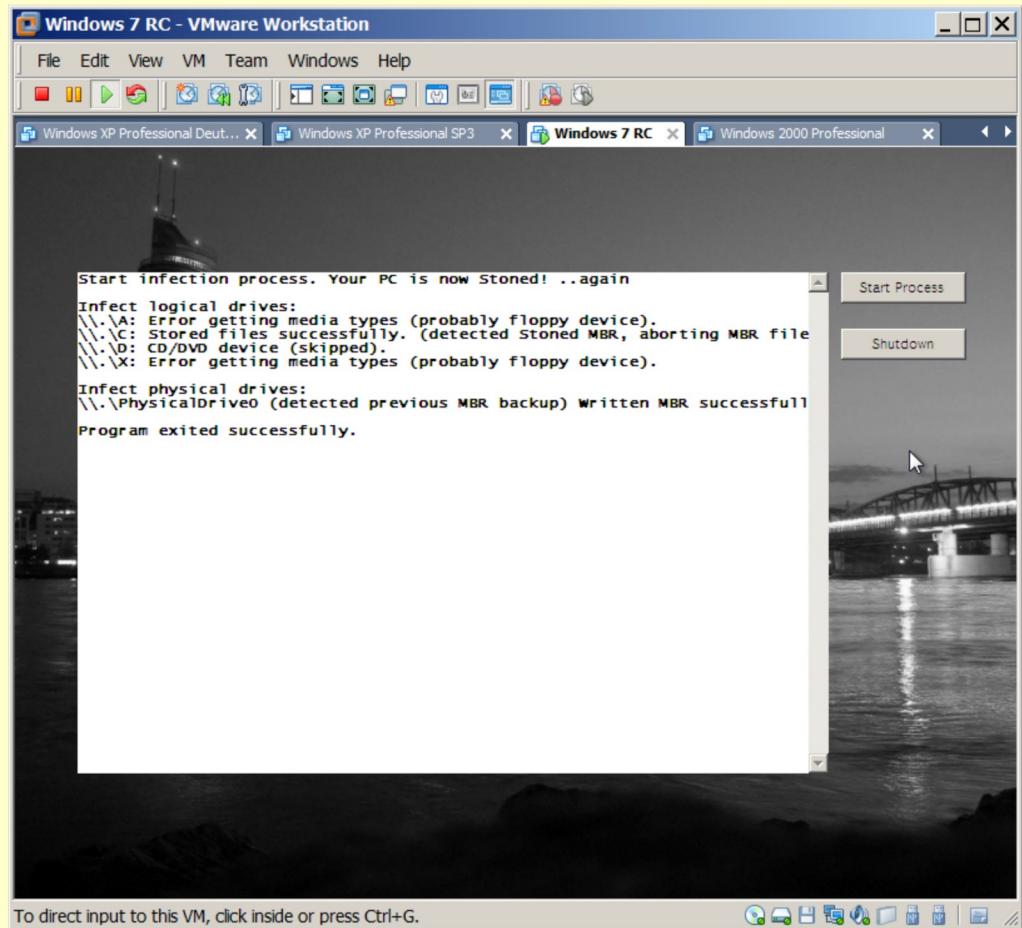
S programom romtool se v računalniku z Linuxom pretvarjamo, da smo iPod...



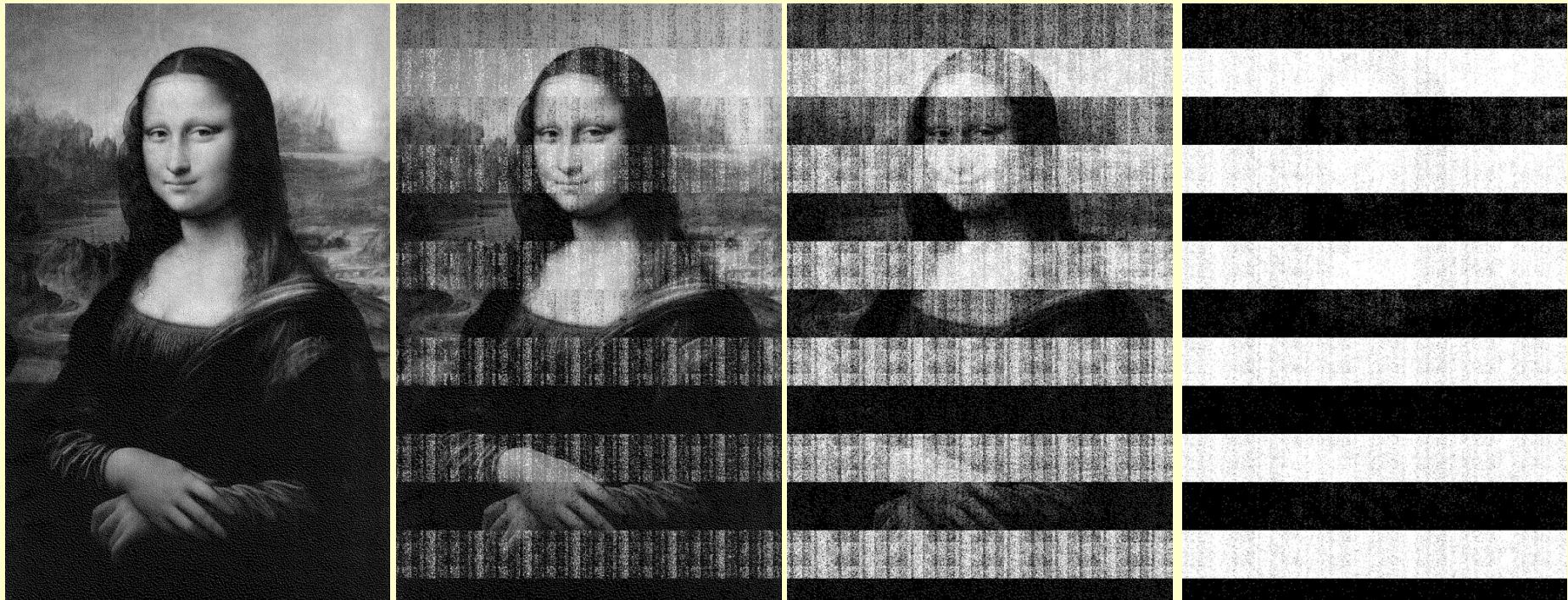
... in Windows Xp med priključenimi napravami prikažejo iPoda!

Kraja ključev iz RAM-a

- Stoned Bootkit:
okuži MBR - kraja
TrueCrypt gesla,
eskalacija privilegijev za
CMD v okolju Windows
po zagonu whoami.exe
- Okužba tudi preko PDF
datoteke
[<http://www.stoned-vienna.com/downloads/PDF%20Spread/Stoned%20PDF%20Infector.pdf>](http://www.stoned-vienna.com/downloads/PDF%20Spread/Stoned%20PDF%20Infector.pdf)



Cold boot napad



Zasežena slika po 5 sekundah, 30 sekundah, 60 sekundah in 300 sekundah.

Vir in avtorstvo: J. Alex Halderman, Seth D. Schoen, Nadia Heninger, William Clarkson, William Paul, Joseph A. Calandrino, Ariel J. Feldman, Jacob Appelbaum in Edward W. Felten, Princeton University, 2008. <<http://citp.princeton.edu/memory/>>

“Evil maid” napad

```
SYSLINUX 3.75 2009-04-16 EBIOS Copyright (C) 1994-2009 H. Peter Anvin et al
Booting the kernel, it will take up to a minute.
hub1:1.0: config failed, can't read hub descriptor (err -22)
Mounting proc filesystem
Mounting sysfs filesystem
Creating /dev
Creating initial device nodes
Loading /lib/kbd/keymaps/i386/qwerty/us.map
Setting up hotplug
Creating block device nodes.
Creating character device nodes.
Making device mapper control node
Waiting for the USB stick to init...
sd2:0:0:0: [sdb] Assuming drive cache: write through
sd2:0:0:0: [sdb] Assuming drive cache: write through
sd2:0:0:0: [sdb] Attached SCSI removable disk
Mount command: mount -r -t vfat /dev/sdb1 /mnt/stick
TARGET = /dev/sda

What do you want to do today: Run [E]vil Maid, [S]hell, [R]eboot
E
remounting /mnt/stick rw
TrueCrypt EvilMaid patcher v0.1
TrueCrypt Boot Loader detected
PatchTrueCrypt(): Compressed loader size: 11774 bytes
PatchTrueCrypt(): Loader memory size: 0x7000 (28672) bytes
PatchTrueCrypt(): Decompressing the boot loader
PatchTrueCrypt(): Decompression successful
PatchTrueCrypt(): Decompressed loader physical size: 27687 bytes
PatchAskPassword(): Loader is already infected
PatchTrueCrypt(): PatchAskPassword() failed
DisplayTrueCryptPassword(): Password is "████████"
saving original sectors in /mnt/stick/sectors-2009-10-15-170716
remounting /mnt/stick in ro...
done; you can reboot safely.

What do you want to do today: Run [E]vil Maid, [S]hell, [R]eboot
```

Evil Maid napad na TrueCrypt in...



Image Credit: DigitalGlobe – ISIS
Image Date: 24 October 2007

...ostanki sirskega jedrskega
reaktorja al-Kibar.

Internetne prevare

Kiberkriminal včasih...

- raziskovanje,
- radovednost,
- samodokazovanje,
- zabava,
- vandalizem,...

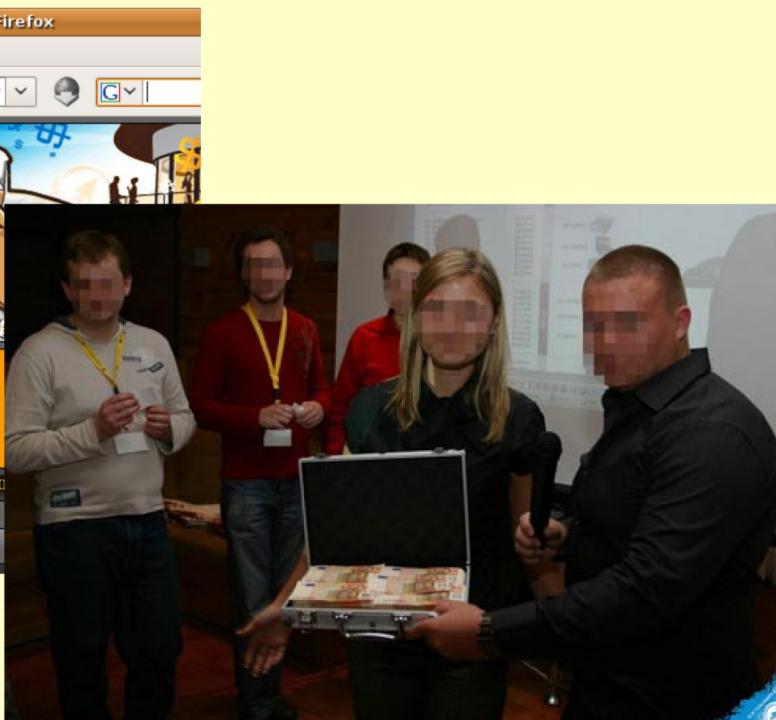


... in kiberkriminal danes

- denar!



Spletna stran "podjetja".

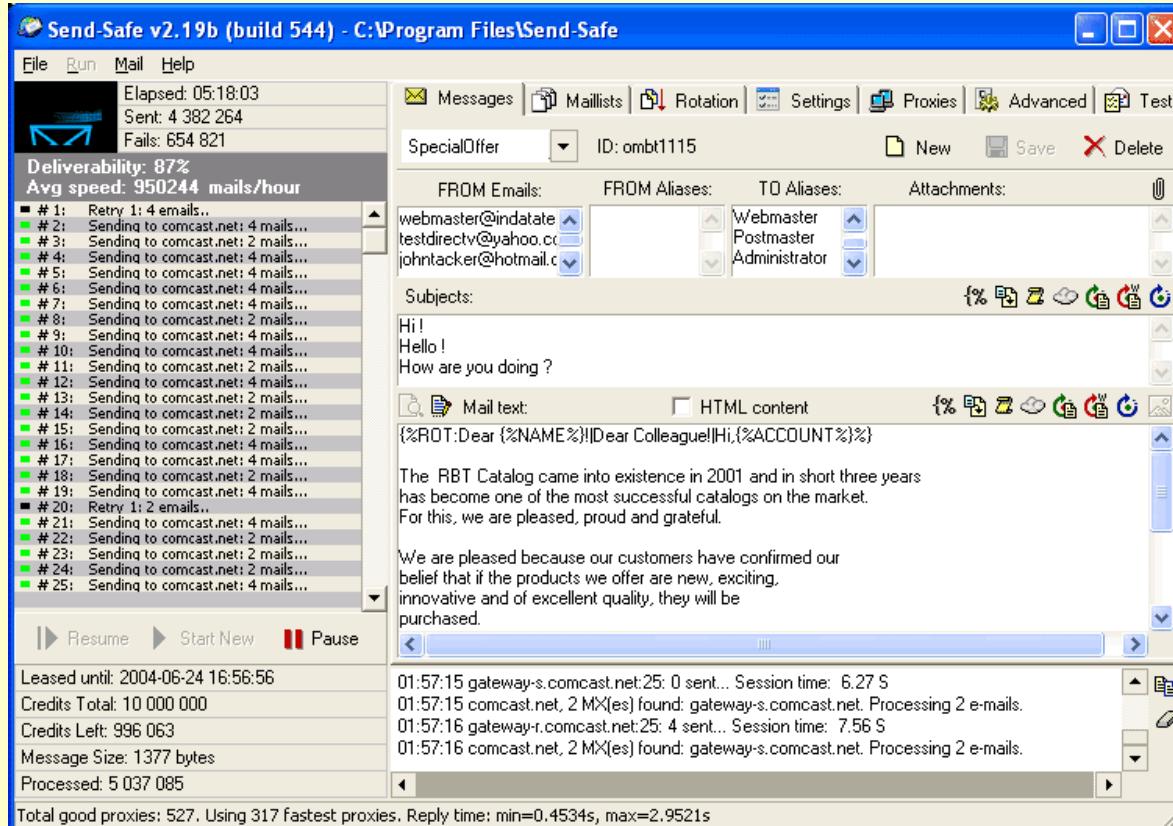


Zabava 95 zaposlenih v ruskem podjetju
Klik team v Črni gori, februar 2008.



Šifrirno-izsiljevalski virus Cryptolocker.

Spam



Prodaja lažnih in goljufivih izdelkov,
kraja osebnih podatkov,...

Verižna pisma

Zadeva: FW: PODPRITE NAS V PROTESTU IN ZAHTEVAH

Od: [REDACTED]

Datum: 14.04.2008 13:09

Za: [REDACTED]

Spoštovani,

Če bo koga vznemiril spodnji protest, naj s podpisom prispeva k spremembji.

Pozdrav,

-----Original Message-----
From: [mailto:[\[REDACTED\] <\[REDACTED\]>](#)

Sent: Monday, April 14, 2008 12:59 PM

To: [REDACTED]; [REDACTED]; [REDACTED]; [REDACTED];
[REDACTED] [guest.arnes.si](#); [REDACTED]; [REDACTED];
[REDACTED]; [REDACTED]; [si](#); [REDACTED]
[REDACTED]; [national.si](#); [\[REDACTED\]@gmail.com](#)

Finanční spam

GCME Huge News Release Expected Before Years End!

Ring In The New Year With Cash.
GCME is fast becoming a major player in the foreign film market.

With continuing mergers and joint ventures with the industries most influential corporations.

Right now it is at \$0.18. We have seen consistent price jumps following news releases and we have been told to expect big news before the end of the year.



419 scam

OFFICIAL LETTER...

FROM:MR.CHOU MUI

Hang Seng Bank Ltd

chou_mui1@uymail.com



Let me start by introducing myself. I am Mr. Chou mui , Assistant Director of Operations of the Hang keng Bank Ltd,Sai Wan Ho Branch,171 Shaukiwan Road Hong Kong.

Before the U.S and Iraqi war, our client Hamadi Hashem a business man made a umbered fixed deposit of (346,736,899.68 HKD) for 18 calendar months...

Ribarjenje

Inbox for Mozilla Thunderbird

File Edit View Go Message OpenPGP Tools Help

Get Mail Write Address Book Decrypt Reply Reply All Forward Delete Junk Print Stop

View: All ebay

Subject	Sender	Date
eBay Online - Client's Details Confirmation [Fri, 07 ...	• eBay Inc	• 7.10.2005 15:47
Official Information For eBay Clients	• eBay	• 12.9.2005 10:46

Subject: eBay Online - Client's Details Confirmation [Fri, 07 Oct 2005 11:52:38 -0200]
From: eBay Inc <support_renum_974@ebay.com>
Date: 7.10.2005 15:47
To: [REDACTED]

ebay

Dear eBay Member,

We regret to inform you that your eBay account could be suspended if you don't re-update your account information.

To resolve this problem please visit link below and re-enter your account information:

https://signin.ebay.com/ws/eBayISAPI.dll?SignIn&sid=verify&co_partnerId=2&siteid=0

If your problems could not be resolved your account will be suspended for a period of 24 hours.

[http://219.141.41.39/php/...](http://219.141.41.39/php/)

Unread: 2 Total: 647



Primer ribarjenja (phisinga) preko
neželene e-pošte.

Razobličenja spletnih strani



XSS napad na
"davčno Vido".



Pravna fakulteta, Univerza
v Ljubljani, februar 2007

A screenshot of a Mozilla Firefox window. The address bar shows 'http://www.pf.uni-lj.si/'. The main content area displays a website for 'Slovensko satanistično gibanje'. It features a large illustration of a horned, multi-headed creature. The text 'Slovensko satanistično gibanje' is prominently displayed in red, followed by 'se predstavi' in pink. A sidebar on the right contains the text 'NALOGE' and a bulleted list: '• povezovati svetopisemske ali biblične skupine,' '• spodbujati nastajanje novih in jim pomagati pri delu,' and '• prirejati biblične tečaje, razstavne, predavanja.'

Razobličenje spletnne strani
rimokatoliške cerkve.

Razobličenja spletnih strani

The screenshot shows a Microsoft Internet Explorer window displaying a forged news article from the DELO newspaper. The URL in the address bar is `http://www.del.si/index.php?sv_path=43,50&query=<script%20src=`. The page content includes a search bar with the same malicious script and a sidebar containing a fake news item about a bank heist.

Lažna novica na spletni strani časnika DELO (XSS napad).

The screenshot shows a Mozilla Firefox window displaying a defacement of the 24ur.com website. The page has been modified to feature a cartoon of Big Brother from the TV show '1984' and the text 'IS WATCHING YOU'. The original content of the site is visible at the bottom of the page.

"Big Brother" na 24ur.com (XSS napad).

Razobličenja spletnih strani

The fur ads we see in magazines and commercials portray fur coats as a symbol of elegance. But these ads fail to show how the original owners of these coats met their gruesome deaths. Approximately 3.5 million furbearing animals - raccoons, coyotes, bobcats, lynxes, opossums, nutria, beavers, muskrats, otters, and others - are killed each year by trappers in the United States. Another 2.7 million animals are raised on fur "farms." Despite the fur industry's attempts to downplay the role of trapping in fur "production," it is estimated that more than half of all fur garments come from trapped animals.

ziGGy Own\$ ur gov. b0x

Razobličenje spletnje strani
modne hiše Chanell.com

Razobličenje vladne strani (gov.si).

Datoteka Urejanje Pogled Zgodovina Zaznamki Orodja Pomoc

24 http://24ur.com/bin/expert_search_result.php?query=%22%3Cifframe%20src=http://www.%22%3E

24ur.com - Mozilla Firefox

24UR.COM Rodila na vistilih Kriv je napad na hrvatsko ambasado VIDEO: Grobost do Britney + Internet TV

24 UR POPOLDNE PET DO PETIH VSAK DELAVNIK

29.02.2008 | 13:28 Preberite še Dan rednih bolezni

PODCAST RASTRIVITE RASTRIV 24UR.COM ZA DOMČO SISTRAN POP TV IN KANAL A NA SATELITU

NOVICE Slovenija Črna kronika Svet Gospodarstvo Šport Moto šport IT Vreme Ceste

SVET NA KANALU EKSKLUZIV Ekspres Film Glasba Zanimivosti Kuhajno Erotika SERVISI Frendi in Flirt Popovi zdravniksi Vizita SPECIALITETE 24ur.com kartica Big Brother Grda Račka Notpadu Kmetija NMK DVD6 Vzemi ali pusti Boštjan Beličić

Maskota dr. Janeza Drnovška po njegovi smrti še bolj priljubljena! Naš novinar je preveril, zakaj je priljubljenost maskote potoknega dr. Janeza Drnovška iz dneva v dan bolj priljubljena. >

29.02. | 13:03 Casino Mulino je bil najboljši ponudnik za nakup zemljišč, pravi Cerar in dodaja: "Joras dela zdrahe." >

29.02. | 13:08 'Sađa s smetni končana' Regijskega centra za ravnanje z odpadki in Tenetišah ne bo, bo pa depozit kratek čas še služila svojemu namenu. >

29.02. | 13:08 'Črna princesa umorjena?' Je Črna princesa umrla nasilne smrti? Borila se je za ukinitve obrezovanja afriških deklic. >

29.02. | 13:20 Nadira razgajena v spodnjicah! Vrhunska plesalka Nadira Bychкова, sicer tudi televizijska voditeljica, se je

29.02. | 13:25 Prvo tetoviranje očesa V javnosti so se pojavile fotografije prvega tetoviranja, narejenega na človeškem očesu.

29.02. | 11:45 Dudu na boli več Minil ni niti teden dni no orozilivi.

29.02. | 11:48 Moje prsi so OK! Spoznate Leno Alejandro, novo norveško pevsko zvezdo, ki je zelo sekusi in orsata.

29.02. | 13:03 Maskota dr. Janeza Drnovška po njegovi smrti še bolj priljubljena! Naš novinar je preveril, zakaj je priljubljenost maskote potoknega dr. Janeza Drnovška iz dneva v dan bolj priljubljena. >

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POPTV.si

BigBrother PRISKRBISI KARTICO 24UR ŽE SEDAJ

Internet TV Novice TV vivo Oddaje Končano Anonimizacija izključena

Programi Mesta Sistem SVN pet 29. feb, 13:30

- 24ur.com - Mozilla Firefox

Datoteka Urejanje Pogled Zgodovina Zaznamki Orodja Pomoč

24 http://24ur.com/bin/search_result.php?uniq_id=99836247666&show_search_words=%22%3Ciframe%20src

24 - 24ur.c...

24UR.COM

NOVICE SVET NA KANALU A EKSKLUZIV SERVISI TV VSEBINE + Internet TV

05.09.2007 | 10:05

MOBILNO RSS-XML INSTRUZI 24UR.COM ZA DOMACO STRAN DOMOV

NOVICE Slovenija Črna kronika Svet Gospodarstvo Šport Moto šport IT Vreme Ceste SVET NA KANALU A EKSKLUZIV Ekspres Film Glasba Zanimivosti Kuhajmo Erotika SERVISI Frendi in Flirt Popovi zdravniki Vizita SPECIALITETE Kmetinja Big Brother NMK DVD5 BAR Vzemi ali pusti Boštjan Belič INTERAKTIVNO Forum SuDoKu Ankete eTrena Konference Klepetalnice Registracija Končano

Domov > Iskanje

Rezultati iskanja

Navodila za uporabo iskalnika
Iskalnik upošteva le besede, ki vsebujejo vsaj 4 črke. Besede ločite s presledkom. Najdeni članki so urejeni po datumu. Lahko pa jih uredite po ujemenu z iskanimi besedami.

Iskanje po:

Domov > Prijava
Prijavite se z vpisom emaila in gesla ali gsm številke in Naslov elektronske pošte:
Geslo:

Posiji prijavo

GSM stevilka:
Geslo:
Posiji prijavo

Pozabljeno geslo
Vpišite vaš email in kliknite na gumb. Sistem vam bo po Naslov elektronske pošte:
Posiji prijavo

Internet TV

16 16 22
8 10 11
Sre Čet Pet

Danes objavljen

24UR Internet TV
Novice TV v živo Oddaje
Zadnje novice 05.09. / (2:28)
24ur 04.09. / (35:38)
Svet 04.09. / (18:17)

Poglej in se nasmej

SUDOKU KAKO HITRO ZNAS MISLJITI?

PREBERITE ŠE

Napad tik pred izvedbo?
Dva orkana v enem dnevu
Zadnji rok za štipendije
V boji proti Francuzom
Simil med Evropelci
Kristna se ljubi sama
Paris si želi otrok
Supermanekenki ni več!

ANKETA REZULTATI

Ali menite, da je za varnost šolarjev dobro poskrbljeno?

da
da, vendar le ob začetku šolskega leta
ne
ne vem, me ne zanimal

sre 5. sep. 10:09

Prikaz možnosti XSS ribarjenja na spletni strani 24ur.com.

Si.mobil d.d. - Mozilla Firefox

Datoteka Urejanje Pogled Zgodovina Zaznamki Orodja Pomoč

http://www.simobil.si/sl/search.cp2?q=<h3>Dimitrij+Rupel+postal+svetovalec+ ABF unauthenticated

Si.mobil Vodafone live! Orto Prodajna mesta Vprašajte nas Registrirajte se English

zasebni uporabnik predplačnik poslovni uporabnik <h3>Dimitrij Rupel postal IŠČI

TELEFONI IN NAPRAVE PAKETI STORITVE AKCIJE TUJINA POMOČ IN INFORMACIJE VODAFONE LIVE! SI.MOST

Iskali ste:

**Dimitrij Rupel
postal svetovalec
uprave Simobila**



Z današnjim dnem dr. Dimitrij Rupel postaja svetovalec Simobila za področje zunanje naročniške politike.

:-)

Rezultati iskanja

IT specialist v CRM skupini, zadolžen za DMS področje (m/ž)

Želite razvijati svojo profesionalno pot pri enem najuglednejših in najboljših slovenskih zaposlovalcev? Podjetje Si.mobil d.d. je zaupanja vredno podjetje, kjer so ljudje na prvem mestu. Zaposleni v Si.mobilu so visoko usposobljeni profesionalci, ki so zaljubljeni v svoje delo in v komunikacijo. Prek vpetosti v globalne povezave pa zaposleni lahko pridobivajo tudi mednarodno znanje in bogate izkušnje.

Novi direktor prodaje

Novi direktor prodaje v družbi Si.mobil je s 3. januarjem 2007 postal Gregor Banič.

Nastavitev zunanjega odjemalca

Število vseh rezultatov: 3
Prikazani rezultati: 1 - 3
Stran: 1

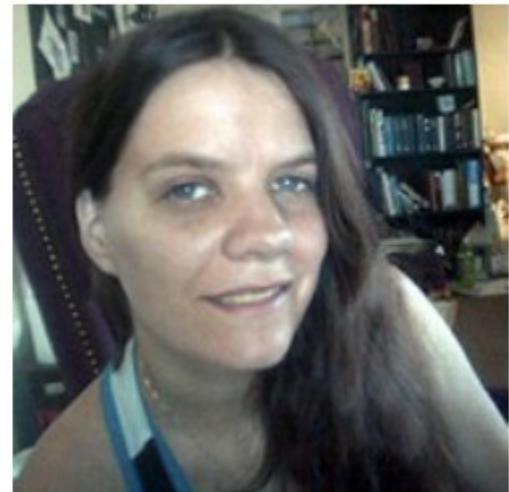
Končano Apache 1337 Anonimizacija izključena

Programi Mesta Sistem [XC... [Pr... Si... [Se... TO... *go... SVN pet 16. jan, 10:28

Hackers embed flashing animations on epilepsy support forum

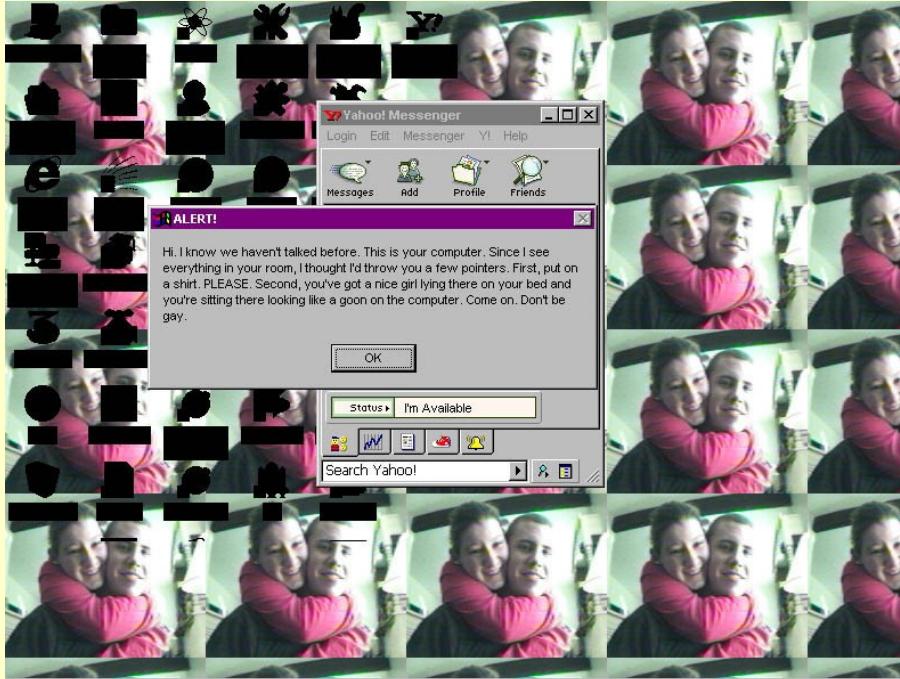
By Darren Murph  posted March 29th 2008 8:50PM

Shortly after hearing a [sad tale](#) of a 7-year old cancer patient having his medication and PSP stolen whilst en route to treatment comes yet another story of the world's meanest [preying](#) on the innocent. This go 'round, a group of griefers (which appear to be members of Anonymous) managed to invade a support forum established by the nonprofit Epilepsy Foundation and use JavaScript code and messages littered with flashing animations to effectively assault dozens of visitors who suffer from the disorder. The Foundation managed to catch wind of the problem within 12 hours of the attack, and while the boards were closed down temporarily to purge it of offending messages, many readers (such as RyAnne Fultz, pictured) experienced headaches and seizures before rescue arrived. Let's just say we sincerely hope the culprits get what's comin' to 'em.

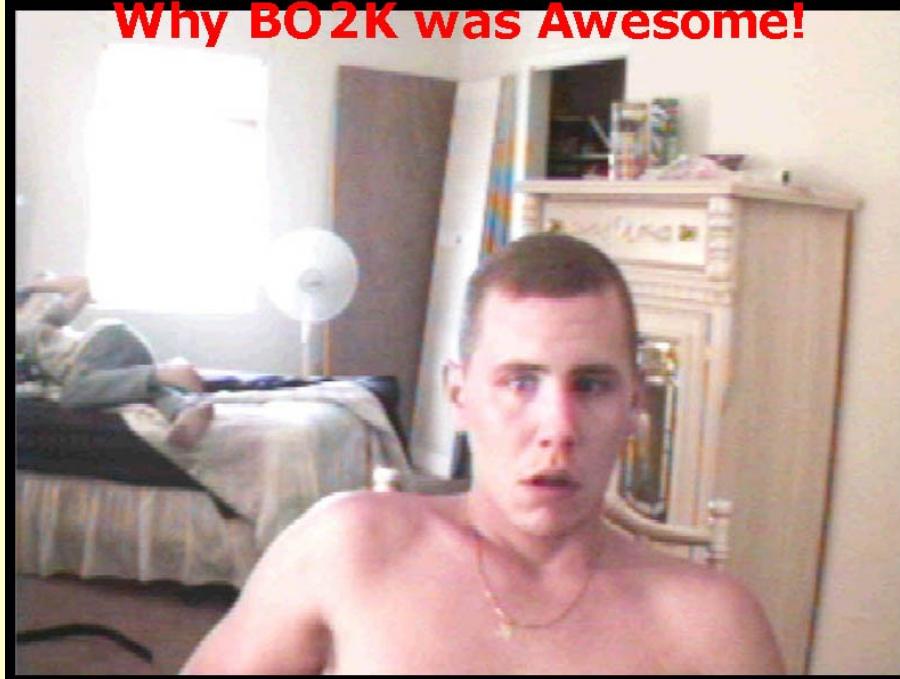


Vir: <http://www.engadget.com/2008/03/29/hackers-embed-flashing-animations-on-epilepsy-support-forum/>

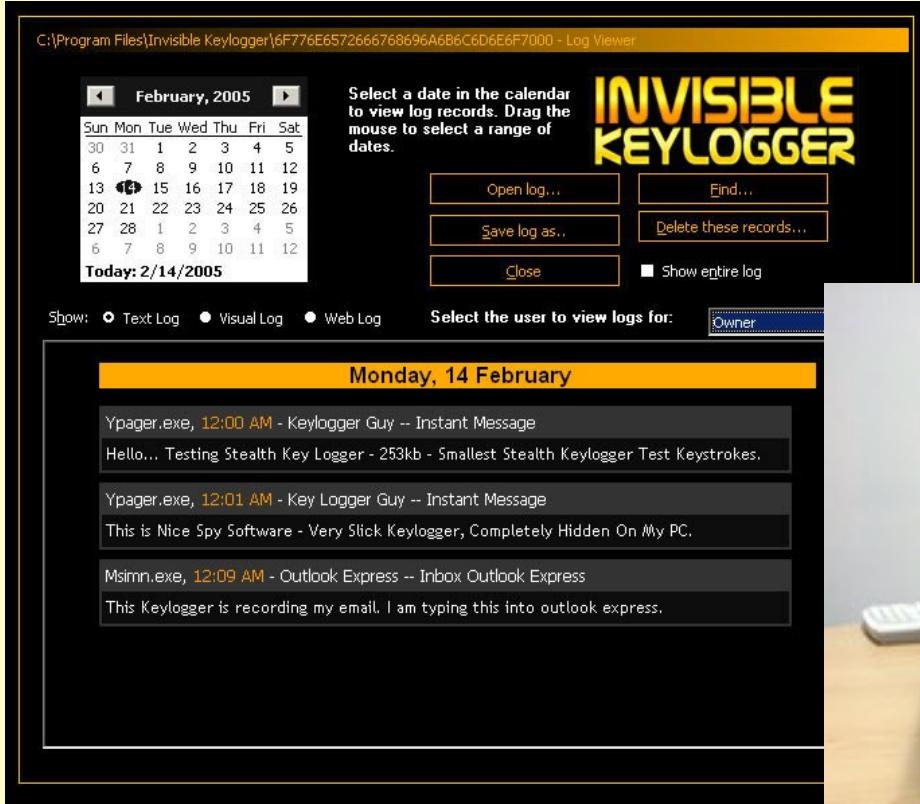
Vdori in okužbe z zlonamerno programsko opremo



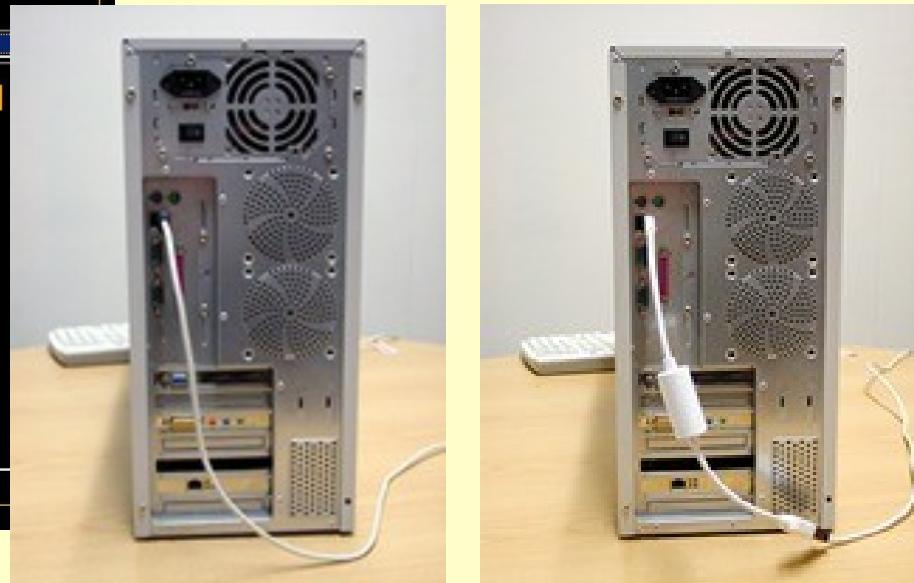
Why BO2K was Awesome!



Zlonamerno programje... in strojna oprema



Programski...



...in strojni prestrezniki tipkanja (vir
in avtorstvo: www.keyghost.com)

- Novice
 - pošlji novice
 - arhiv
- Članki
- Testi
- Forum
 - mali oglasi
 - teme zadnjih 24h
 - moje teme
 - sveže teme
 - zasebna sporočila
 - iskanje
- Pravila
- Povezave
- Ostalo

Anketa

Na NESTU me najbolj privlačijo:

rožice	47%
druženje	21%
predavanja	12%
tekmovanja	10%
lahkotno igranje	9%
	(25)
Skupaj glasov:	276

Predlagajte vprašanje za naslednjo anketo

!

Slo-Tech
SETI
ekipa

novice

Četrtek, 6. 4. 2006

Hacked by Slokryptor (19:40)

Security flaws was found and exploited on this site by Slokryptor

Slo-tech is vulnerable to multiple XSS holes:

- XSS in registration form
- multiple XSS vulnerabilities in forum post - IMG TAG(using some special character sets - IE Only)
- many potential vulnerabilities all over the site

Learn secure programming!

I didn't destroy anything, also I didn't place any backdoor!

Check <http://enigmagroup.org> and <http://www.techexploit.com/>

vir: [Hacked](#) | [komentiraj](#) | avtor: [Slokryptor](#)

Apple Boot Camp - ali kako legalno poganjati Windows na Mac-u (13:40)

Pri Applu so se odločili, da bodo vseeno uradno podprtli Windows na svoji strojni opremi. Tako so ustvarili Apple Boot Camp.

Nastavitev

darkolord

Odjavi me

Zadnje novice

- Hacked by Slokryptor (0)
- Apple Boot Camp - ali kako legalno poganjati Windows na Mac-u (11)
- Microsoftu ni všeč, da se prodaja brez operacijskega sistema (75)
- Cene prihajajočih procesorjev (67)
- Novih 2.000 piratskih ovad (115)

RSS 10

Še se kadi

Interview s Philipom Zimmermannom

Menjava kondenzatorjev na osnovni plošči

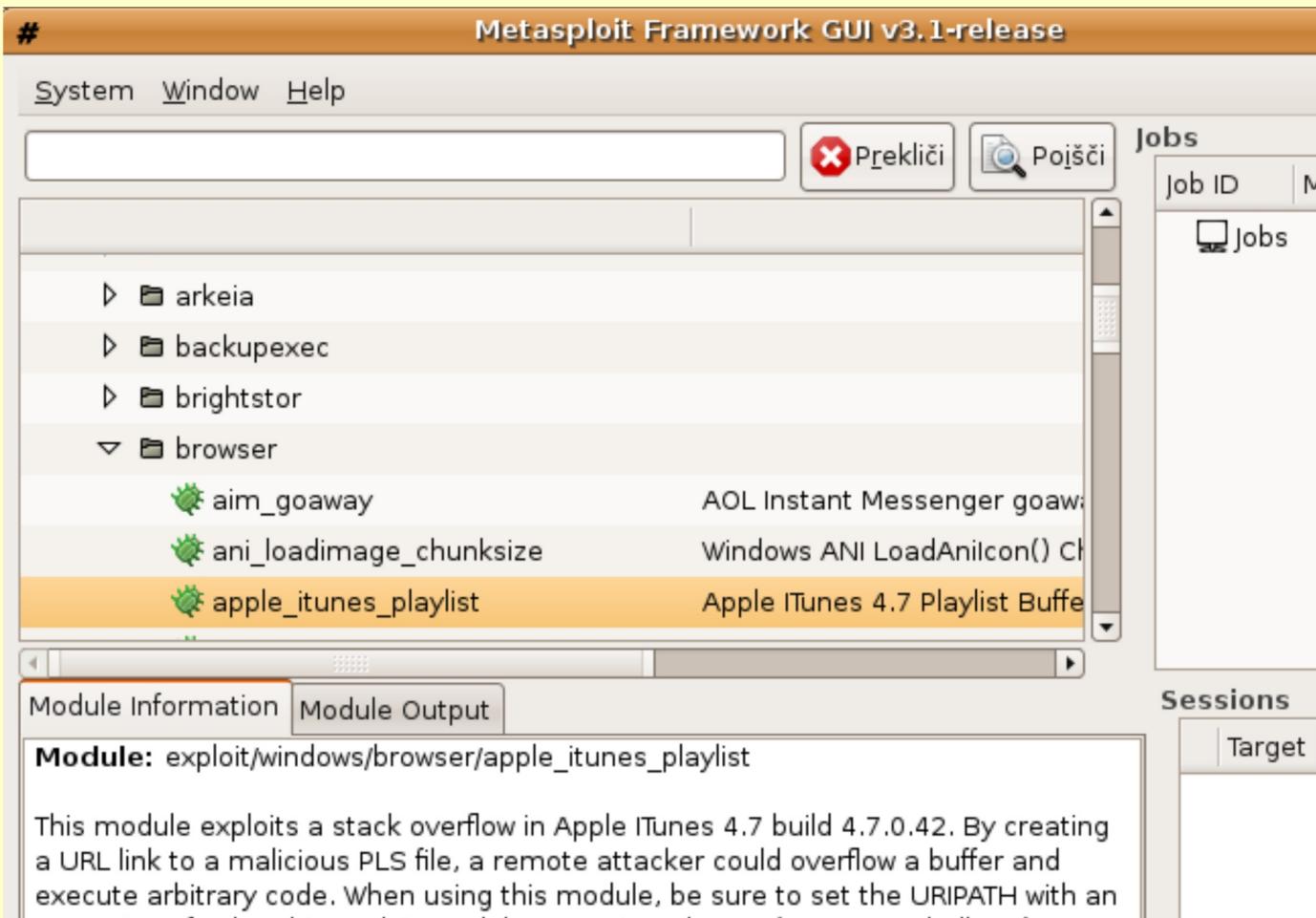
Kršitve avtorskega prava na internetu

Video nadzor na celostnosti

Start

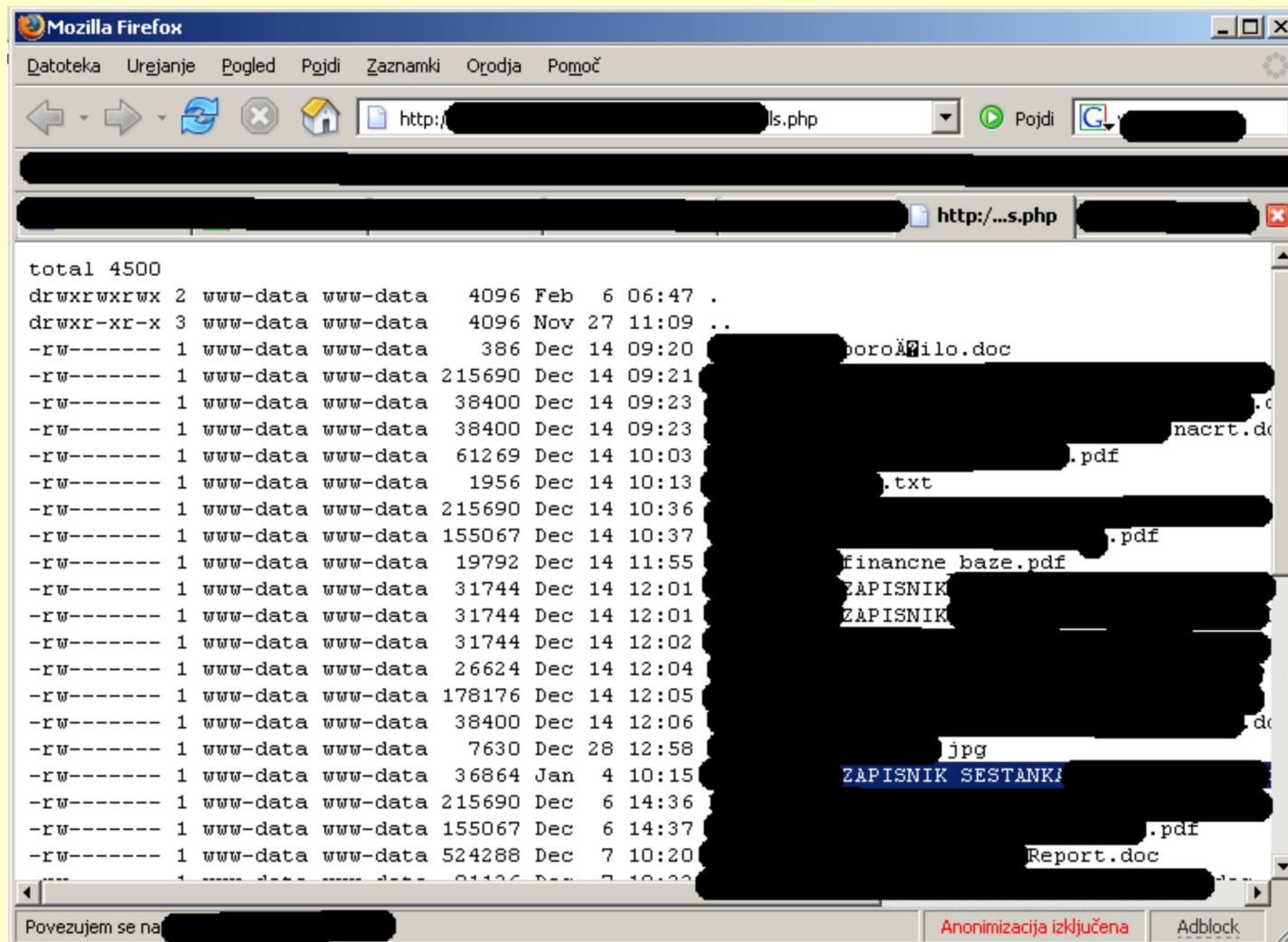
19:50

Orodja za vdore

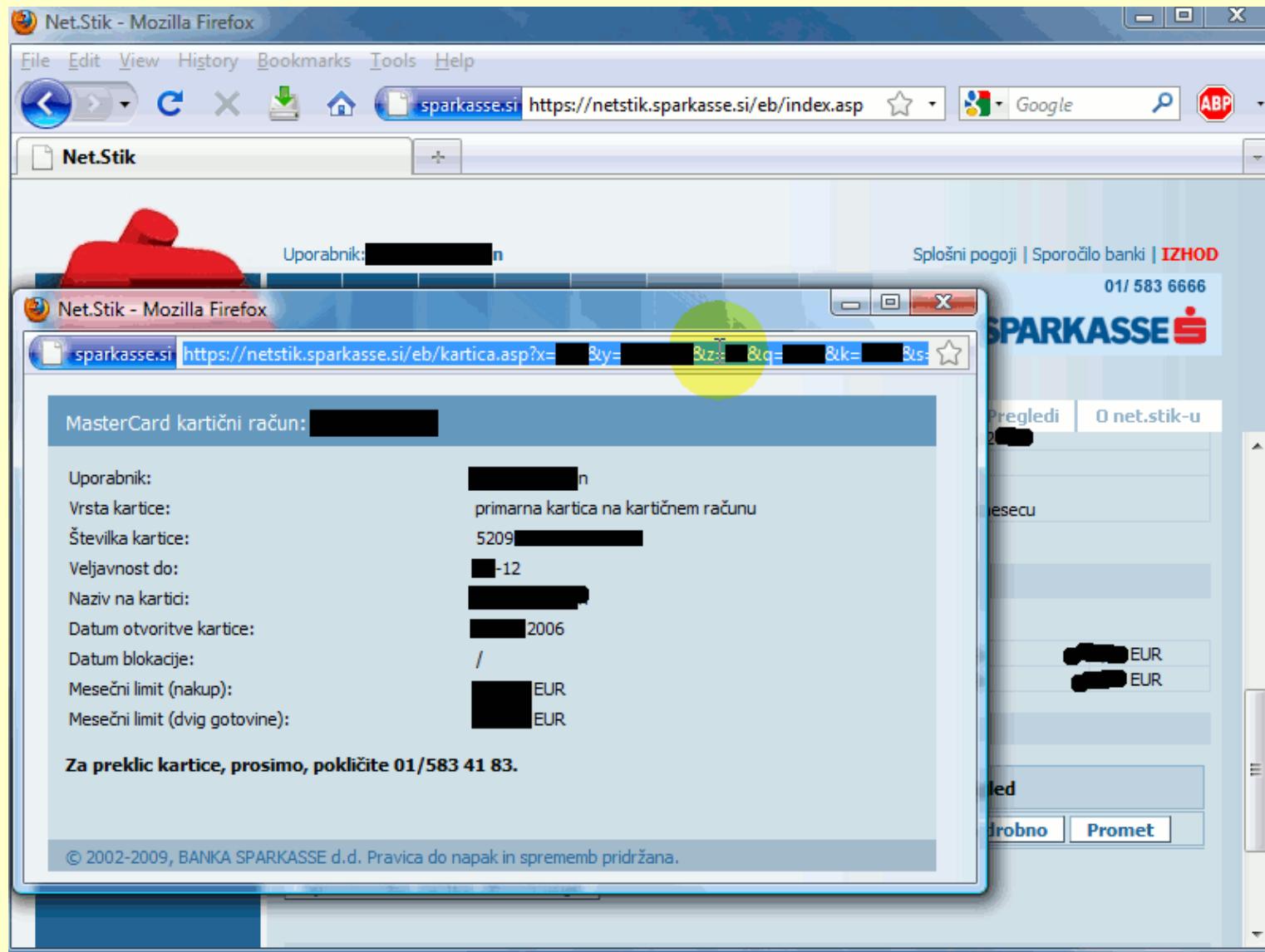


Metasploit Framework – zbirka programja za izrabo varnostnih ranljivosti.

Možnosti poljubnega spreminjanja URL naslovov lahko vodi...



...do resnih napadov



Napake pri omejitvah dostopa

www.quintessenz.org/d/000100003123

BIG BROTHER AWARDS

quintessenz
Datenschutz ist Menschenrecht

search / subscribe / upload / kontakt

CURRENTLY RUNNING

Datamining the NSA

An inquiry into the strategies, methods and actors of the "Biometrics Consortium", an NSA led incubator project in the field of biometrics. First results are online, more will be published subsequently.

Working Drafts, Part1

For more information pls contact **biometrics at quintessenz.org**

Data sources

- **Biometrics Consortium List 24-2004 [ca 60 MB]**

related topics

- [Biometrics doqu/base](#)

related documents

- [2004 06 14,DoD CAC biometric integration.pdf](#)
- [1999 04 16,Schellberg Advocate Biometrics Legislation - Privacy Fears in the Age of Privacy Fears](#)
- [2003 06 12,Ghanaweb on sagem bribery in nigeria](#)
- [2004 04 16,Austrian dataprotection commission on datamining part threee more documents ...](#)

related kampagns

- [Datamining the NSA - Part I](#)

related links

prevzem.php5 (Predmet application/pdf) - Mozilla Firefox

Datoteka Urejanje Pogled Pojdì Zaznamki Orodja Pomoc

http://lgl.esiti.com/si/prevzem.php5?id=24400 Pojdì Igl

Firefox Help Firefox Support Plug-in FAQ

LGL - LUTKOVNO GLEDALIŠČE LJUBLJANA prevzem.php5 (Predmet application...)

163% LGL - LUTKOVNO GLEDALIŠČE LJUBLJANA

Bookmarks Bookmarks Thumbrails Comments Signatures

potrdilo o nakupu / potrdilo o nakupu

Lutkovno gledališče Ljubljana

VILA MALINA, izven
LGL-Veliki oder, 11. januar 2007 ob 17:00


LUTKOVNO GLEDALIŠČE LJUBLJANA



segment	vrsta	Številka	količna	cena
Veliki oder	6	7b	1	3,24 EUR
Veliki oder	6	7a	1	3,24 EUR
Veliki oder	6	6b	1	3,24 EUR
Veliki oder	6	6a	1	3,24 EUR
skupaj				12,96 EUR
				3.105,73 SIT

Vaše potrdilo o nakupu zamenjajte za vstopnice na blagajni dvorane.

številka potrdila o nakupu
010-000-107-788-454-883-142760

V primeru, da prireditev odpade, lahko potrdilo o nakupu zamenjate na blagajni organizatorja za drugo prireditev ali pa vam organizator vrne denar, ki ga morate prevzeti v enem mesecu na njegovi blagajni. Za vse dodatne informacije nam pišite na elektronski naslov info@lgl.si.

1 of 1 8,26 x 11,69 in Končano Anonimizacija izključena

Start prevze... The GIMP Layers, ... Untitled... LGL - LU... http://lgl... 10:19

SQL vrivanje

http://www.kpk-rs.si/sl/iskanje/ REPUBLIKA SLOVENIJA

Newsletter / Medijsko središče / RSS

E-OBRACI / POGOSTA VPRAŠANJA / ODLOČITVE IN MNENJA / SLOVARČEK / KONTAKT Iskanje

KOMISIJA ZA PREPREČEVANJE KORUPCIJE

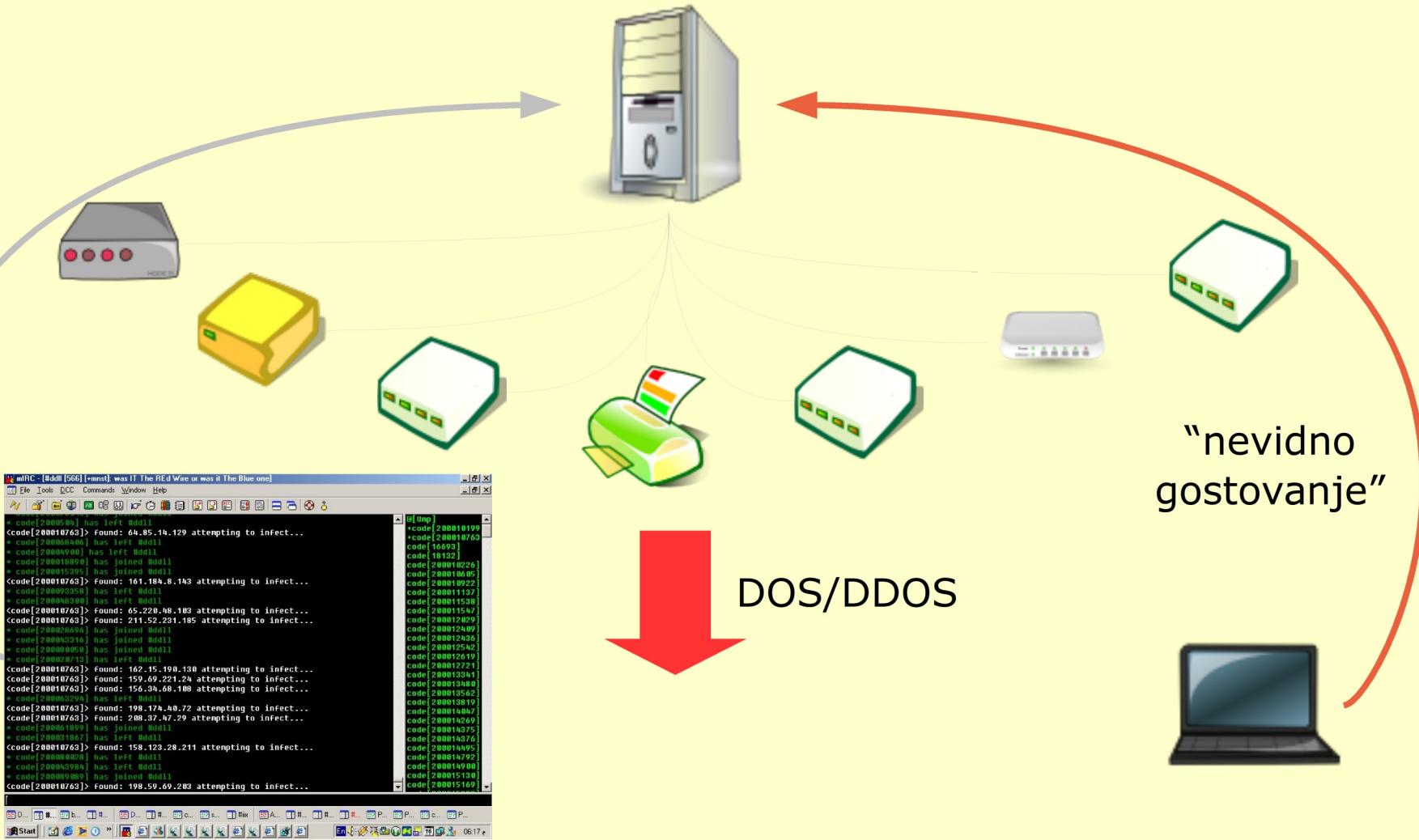
KOMISIJA | KORUPCIJA INTEGRITETA IN ETIKA | ZAVEZANCI IN NJIHOVE DOLŽNOSTI | PREVENTIVA IN NAČRT INTEGRITETE | NADZOR IN PREISKAVE | LOBIRANJE | PROJEKT TRANSPARENTNOST

You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '%' OR LOWER(REPLACE(t_faq.odgovor,'š','š')) LIKE '%\\\\\\\\%' at line 1
SELECT t_faq.vprasanje AS naslov, t_faq.odgovor AS vsebina_1 FROM t_faq WHERE id_jezik='sl' AND (LOWER(REPLACE(t_faq.vprasanje,'š','š')) LIKE '%\\\\\\\\%' OR LOWER(REPLACE(t_faq.odgovor,'š','š')) LIKE '%\\\\\\\\%')

Urejanje zapisov: Novice 2008/2009

Naslov	Avtor
' or 1=1	Matej Kovačič, 25.11.2008

Prikrita omrežja



Prikrita omrežja

mIRC - [#ddll] [566] [+mnst]: was IT The RED Wire or was it The Blue one

File Tools DCC Commands Window Help

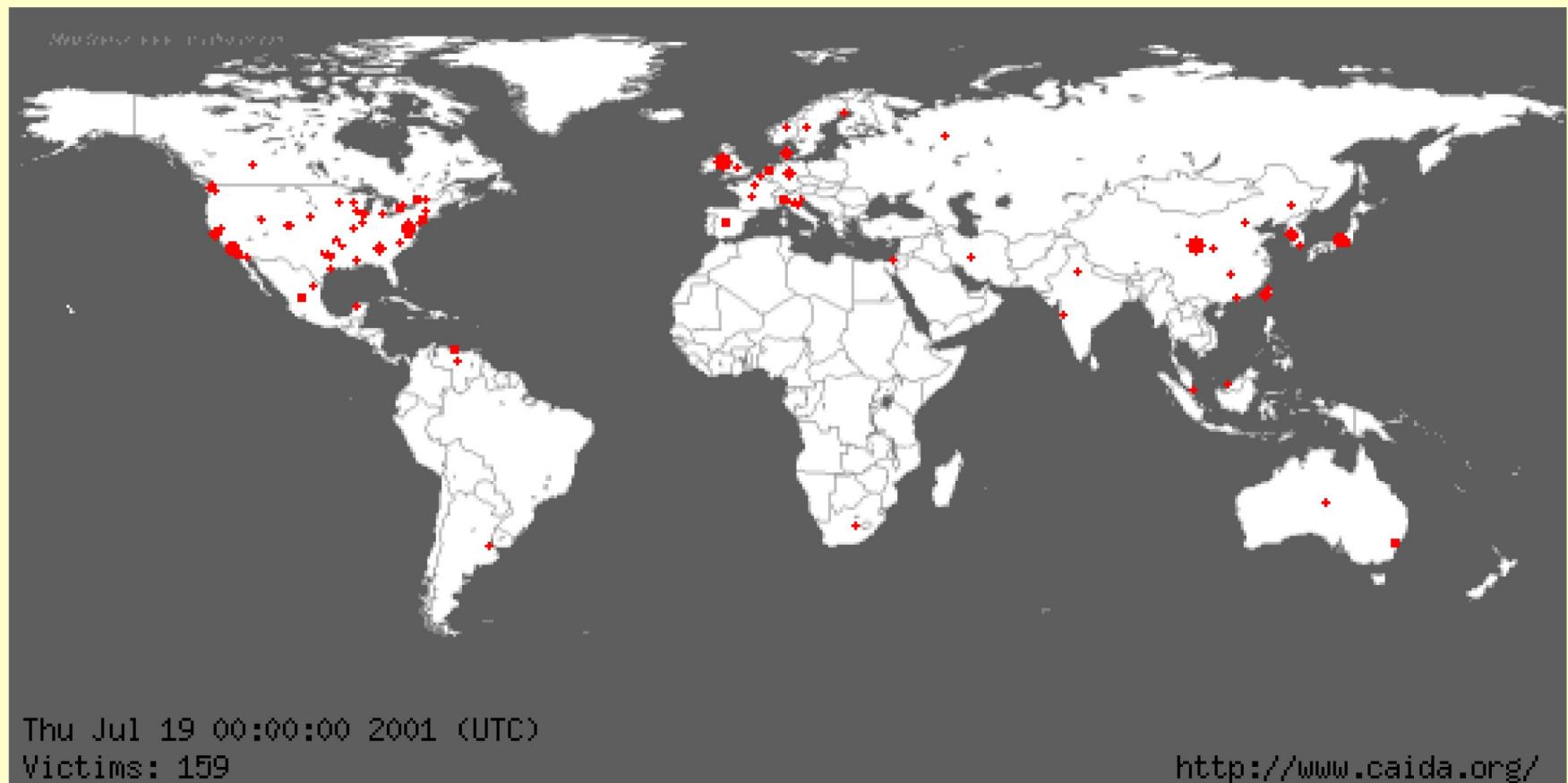
* code[2000504] has left #ddll
<code[200010763]> Found: 64.85.14.129 attempting to infect...
* code[200068406] has left #ddll
* code[20004900] has left #ddll
* code[200018890] has joined #ddll
* code[200015395] has joined #ddll
<code[200010763]> Found: 161.184.8.143 attempting to infect...
* code[200093358] has left #ddll
* code[200048300] has left #ddll
<code[200010763]> Found: 65.220.48.103 attempting to infect...
<code[200010763]> Found: 211.52.231.185 attempting to infect...
* code[200028696] has joined #ddll
* code[200043316] has joined #ddll
* code[200080058] has joined #ddll
* code[200020713] has left #ddll
<code[200010763]> Found: 162.15.190.130 attempting to infect...
<code[200010763]> Found: 159.69.221.24 attempting to infect...
<code[200010763]> Found: 156.34.68.108 attempting to infect...
* code[200063294] has left #ddll
<code[200010763]> Found: 198.174.40.72 attempting to infect...
<code[200010763]> Found: 208.37.47.29 attempting to infect...
* code[200061899] has joined #ddll
* code[200031867] has left #ddll
<code[200010763]> Found: 158.123.28.211 attempting to infect...
* code[200080028] has left #ddll
* code[200048984] has left #ddll
* code[200089089] has joined #ddll
<code[200010763]> Found: 198.59.69.203 attempting to infect...

a[Ump]
+code[200010199]
+code[200010763]
code[16693]
code[18132]
code[200010226]
code[200010605]
code[200010922]
code[200011137]
code[200011538]
code[200011547]
code[200012029]
code[200012409]
code[200012436]
code[200012542]
code[200012619]
code[200012721]
code[200013341]
code[200013488]
code[200013562]
code[200013819]
code[200014047]
code[200014269]
code[200014375]
code[200014376]
code[200014495]
code[200014792]
code[200014900]
code[200015130]
code[200015169]

D... #... b... #... | D... #... c... s... #ix | A... #... P... P... c... P...
Start

Pogled na prikrito omrežje iz strani napadalca.

Map of Internet Victims



'Steganografski' virusi

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	0123456789ABCDEF
0000h:	F4	16	FD	ED	20	01	00	00	00	00	00	00	44	00	00	00	đ.ýiD....
0010h:	62	A5	C0	FB	AE	EB	31	CA	02	84	11	DA	67	65	19	C1	bÝAü@e1È...Úge.Á
0020h:	12	94	65	E0	BD	DD	4E	F4	01	23	01	BD	6B	FF	5E	25	.“eà¾ÝNô.#.¾kÿ^%
0030h:	41	72	68	5D	B3	1C	ED	0A	80	92	4E	34	F0	67	FA	D3	Arh]’i.€’N4ðgúÓ
0040h:	84	C1	22	12	EC	BB	F2	4B	63	92	E2	55	D1	18	37	88	„Á”.i»òKc’áUÑ.7^
0050h:	39	2D	AC	25	F9	9E	4D	54									9—%ùžMT

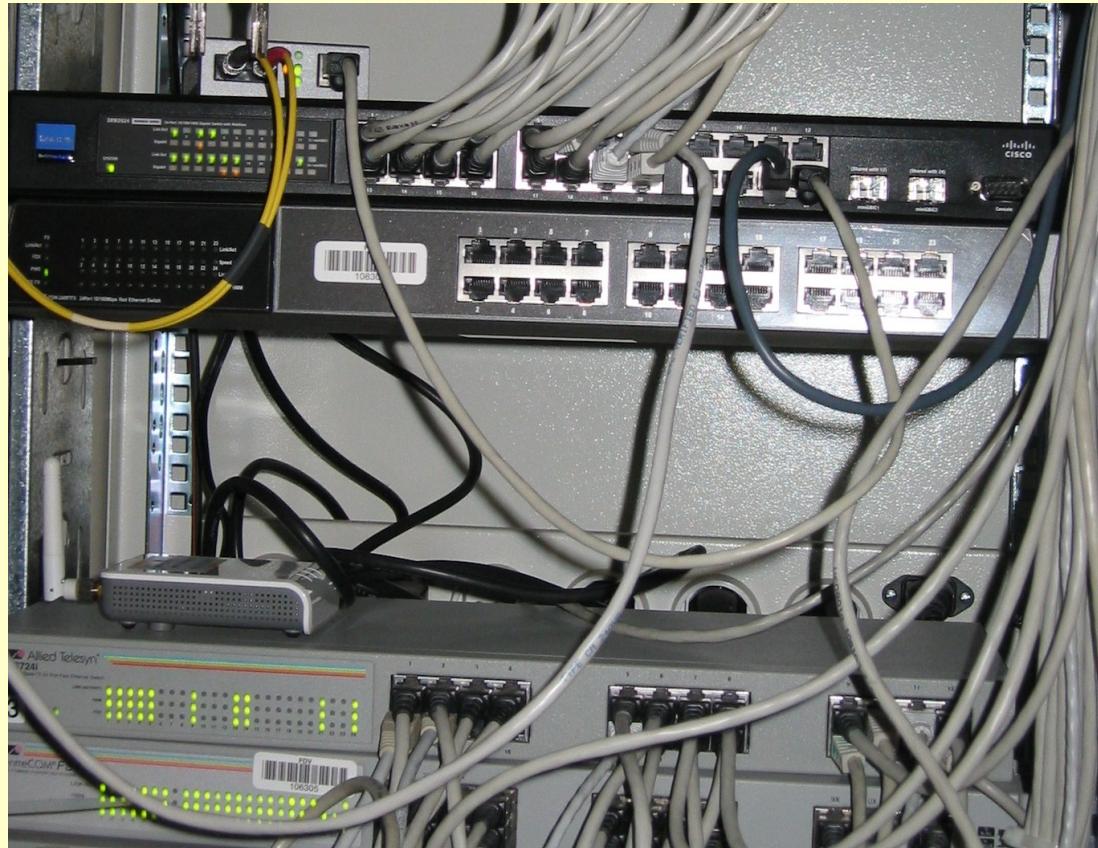
Template Results - alureon_head.bt

Name	Value	Start	Size	Color
struct ALUREON_CHUNK		0h	58h	Fg: Bg:
unsigned long crc	EDFD16F4h	0h	4h	Fg: Bg: pink
unsigned long size_decompressed	120h	4h	4h	Fg: Bg: light blue
unsigned long unknown	0h	8h	4h	Fg: Bg: yellow
unsigned long size_data	44h	Ch	4h	Fg: Bg: blue
unsigned long next_block	FBC0A562h	10h	4h	Fg: Bg: red
+ unsigned char data[68]		14h	44h	Fg: black Bg: grey

Win32/Alureon.FE – virus, ki dobiva ukaze preko slik objavljenih na spletnih forumih. Slike vsebujejo steganografska sporočila.

Trojan:Win32/Alureon.FE is a trojan that installs other variants of Win32/Alureon, a family of data-stealing trojans. These trojans allow an attacker to intercept incoming and outgoing Internet traffic in order to gather confidential information such as user names, passwords, and credit card data. It may also allow an attacker to transmit malicious data to the infected computer. The trojan may modify DNS settings on the host computer to enable the attacker to perform these tasks. As a result, it may be necessary to reconfigure DNS settings after disinfection. Trojan:Win32/Alureon.FE also modifies the MBR to execute installed Alureon components.

Vdori



[Primer vdora v poštno banko v Haifi.]



<http://theplugbot.com/>

Ranljivi niso samo računalniki

```
aircrack 2.1

* Got 50335! unique IVs | fudge factor = 4
* Elapsed time [00:00:12] | tried 4589 keys at 22945 k/m

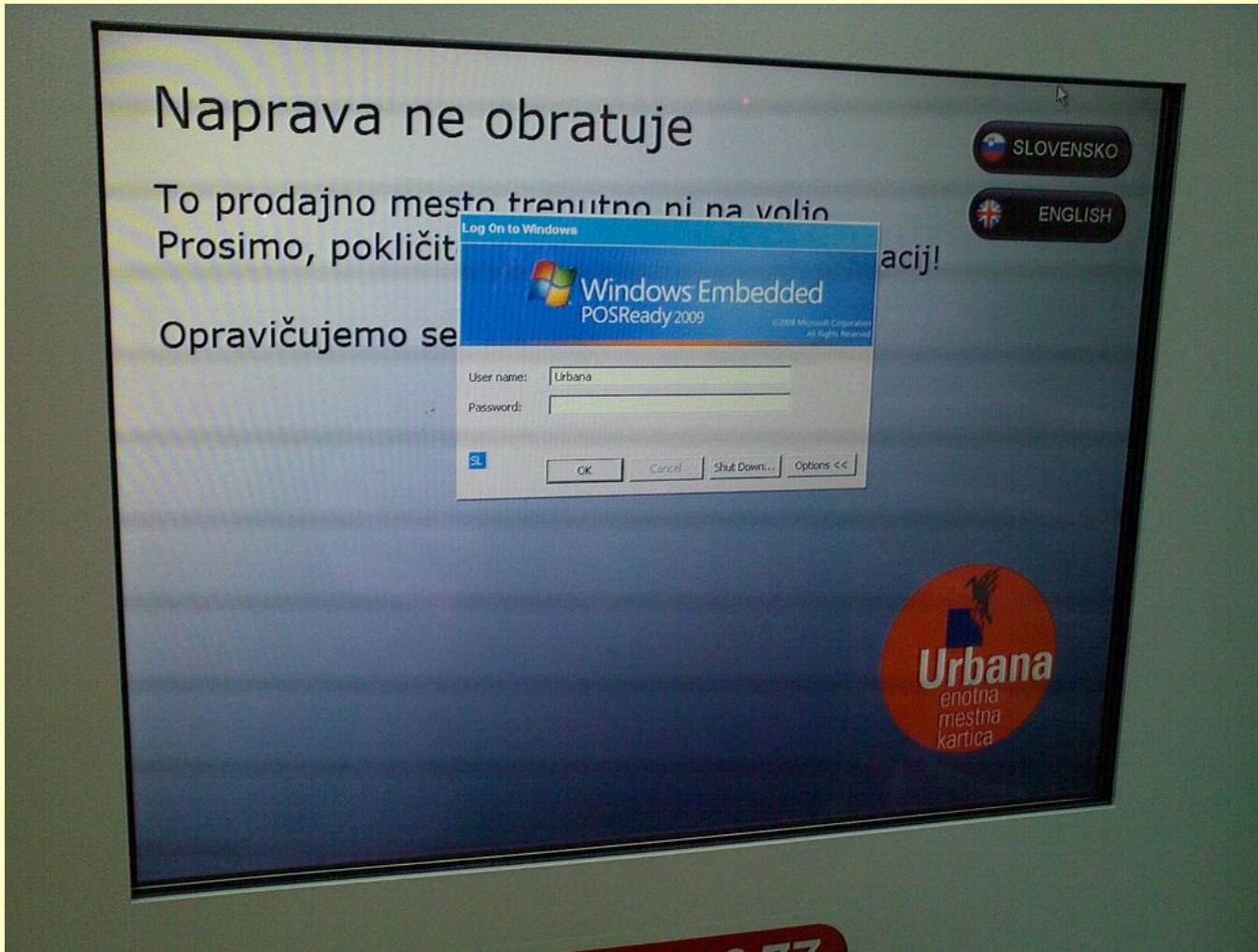
KB    depth   votes
 0    1/   6  0B( 12) F9( 10) 69(  5) F0(  5) FC(  3) 00(  0)
 1    2/   9  69( 12) 83(  5) 7E(  4) 80(  3) EA(  3) ED(  3)
 2    0/   3  A2( 32) 82( 12) 8E( 12) 22(  5) 52(  5) 7C(  5)
 3    5/  10  6D(  3) D7(  3) D9(  3) DA(  3) FE(  3) 00(  0)
 4    8/  14  5A(  3) 66(  3) 67(  3) 69(  3) 6C(  3) 81(  3)

KEY FOUND! [ 0B69A26D5A ]

root@2[ramdisk]#
```

Napad na brezščično omrežje.

Ranljivi niso samo računalniki



Ranljivi niso samo računalniki



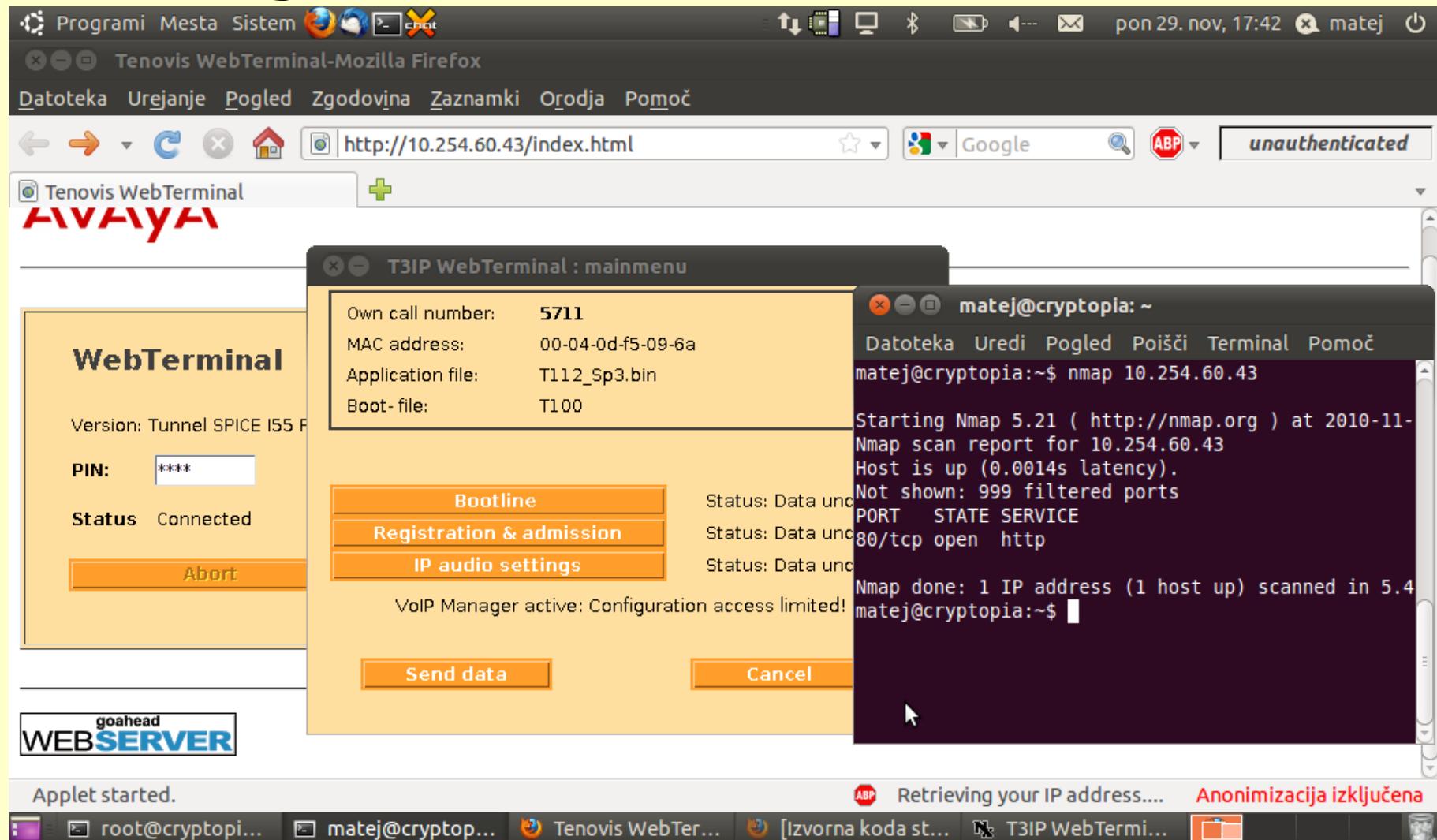
Napad na TV oddajnik.

Ranljivi niso samo računalniki



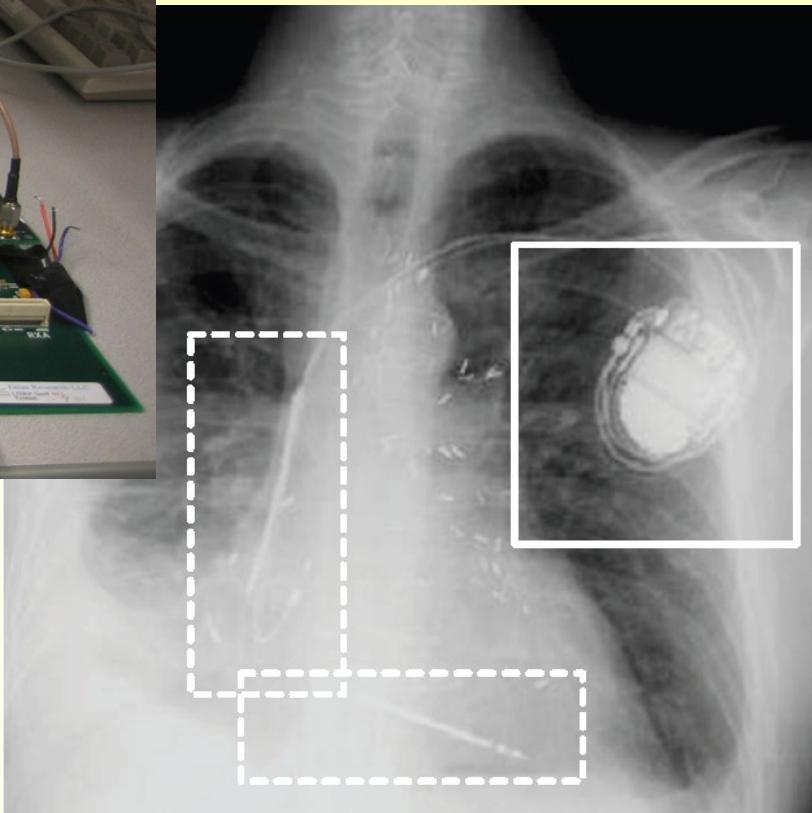
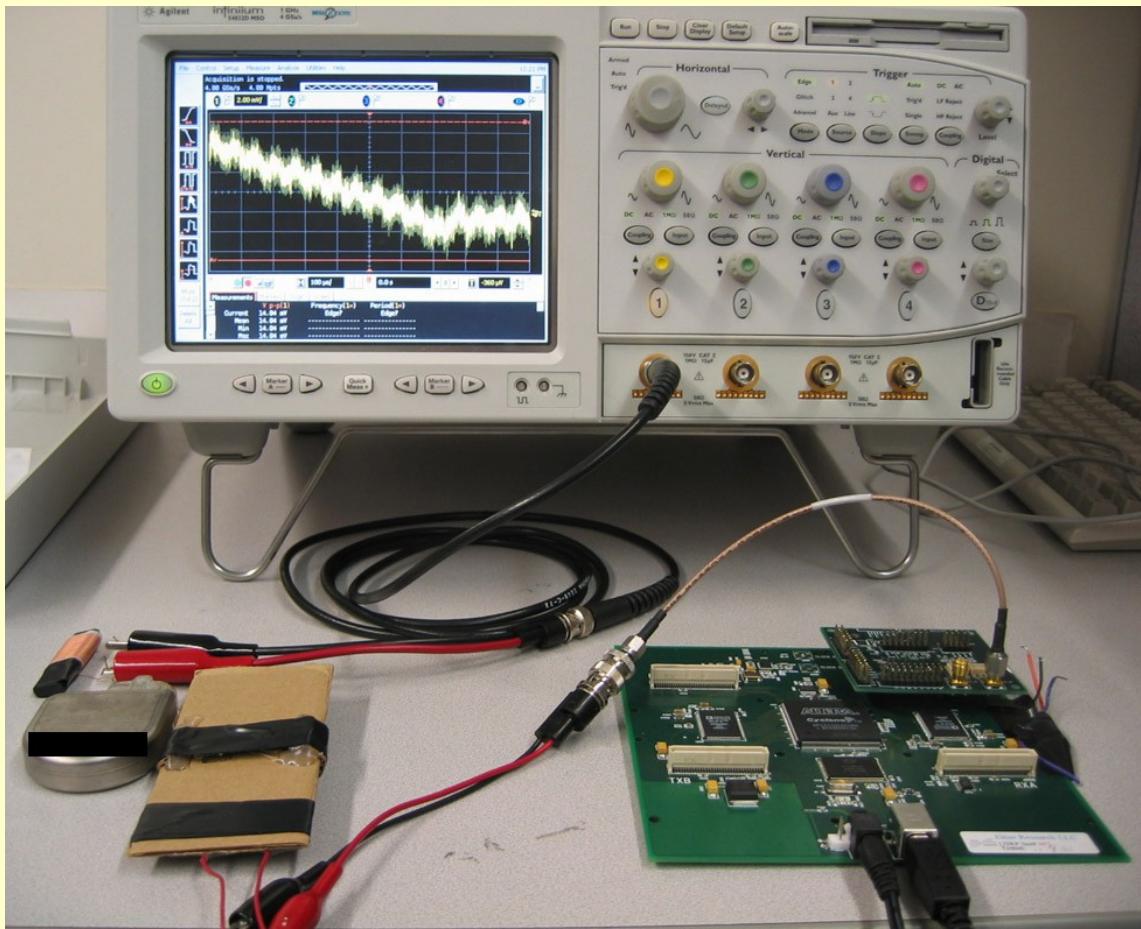
Napad na tiskalnik.

Ranljivi niso samo računalniki

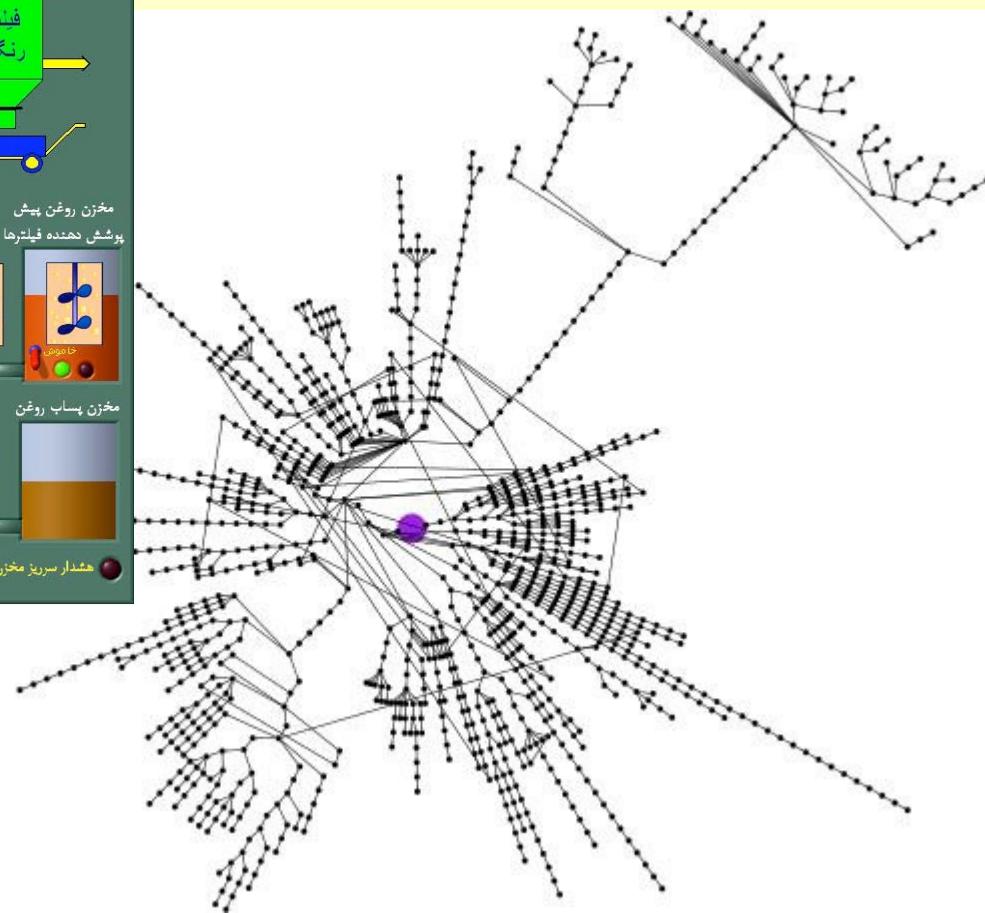
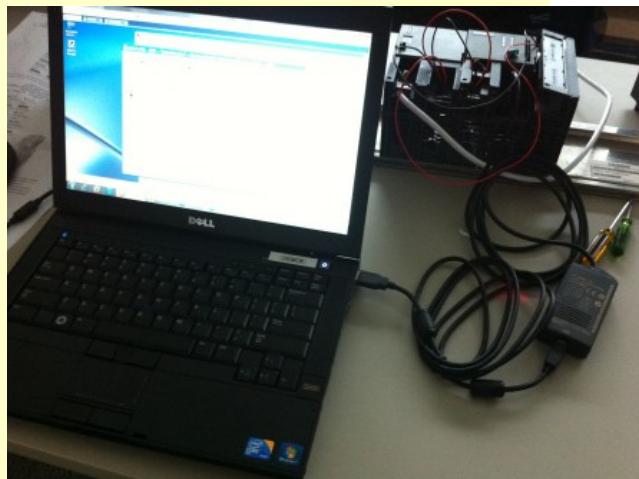
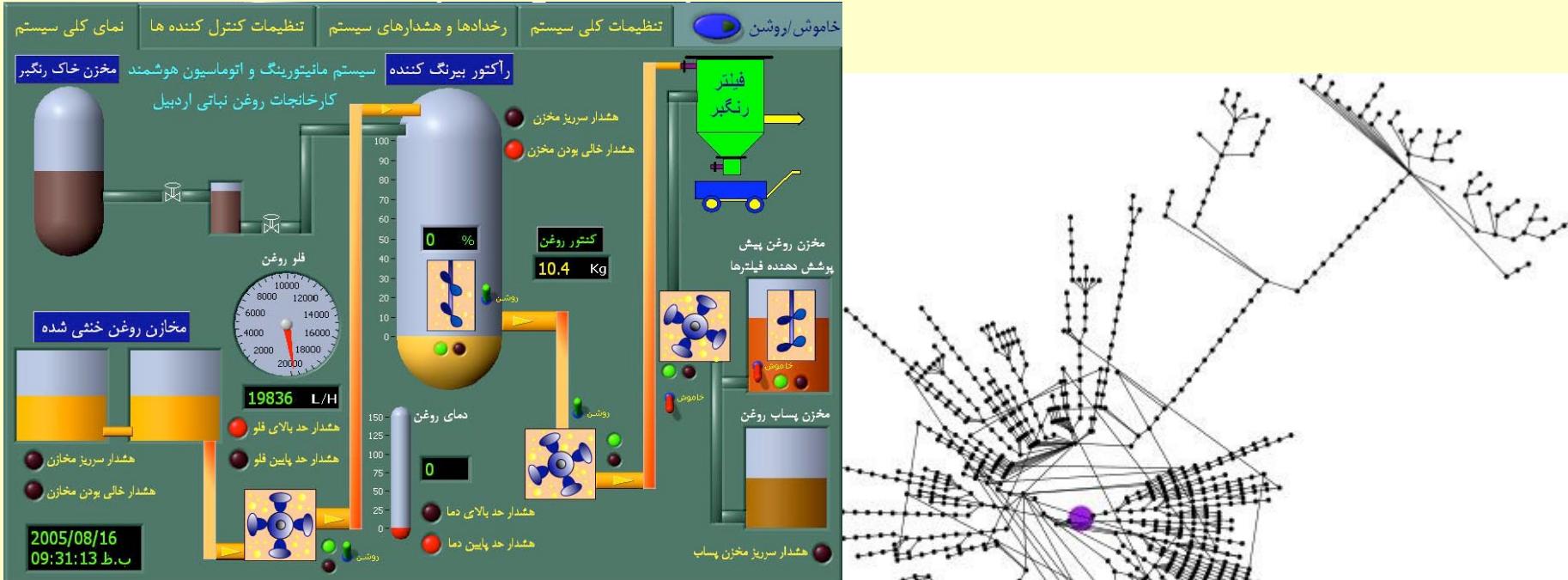




Napad na RFID potne liste.



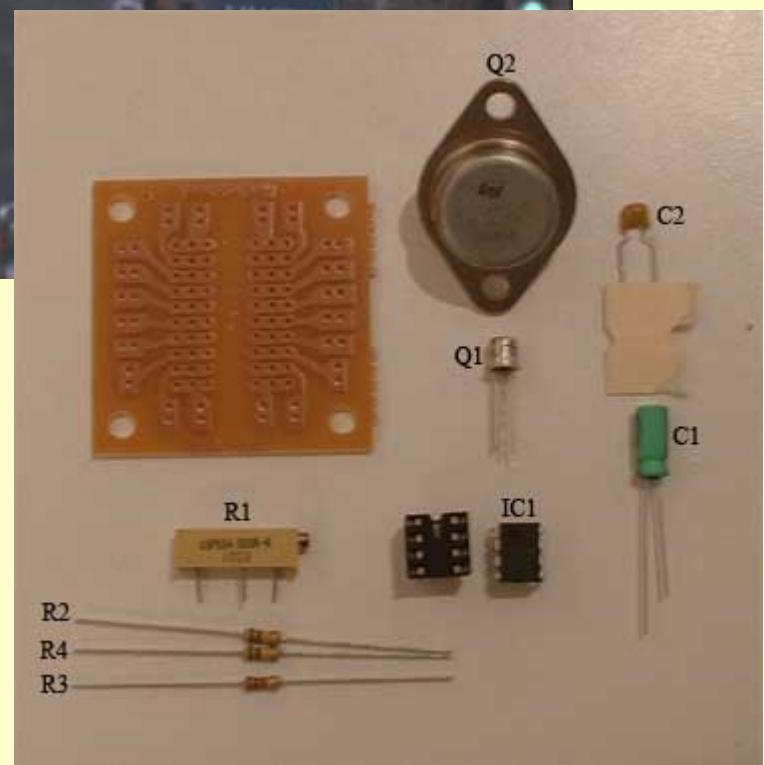
Napad na srčni spodbujevalnik.



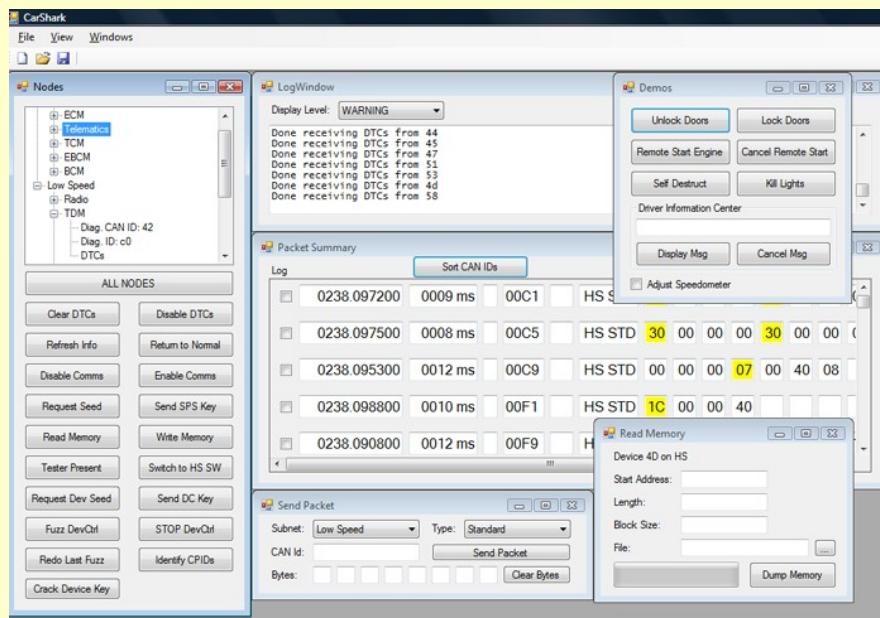
Napadi na SCADA sisteme.

David Maynor in Robert Graham. 2006. SCADA Security and Terrorism: We're not crying wolf.
<https://www.blackhat.com/presentations/bh-federal-06/BH-Fed-06-Maynor-Graham-up.pdf>

Nicolas Falliere, Liam O Murchu in Eric Chien (Symantec Security). 2011. W32.Stuxnet Dossier.
http://www.symantec.com/content/en/us/enterprise/media/security_response/whitepapers/w32_stuxnet_dossier.pdf



Napad na semaforje.
[Napad na tramvaj.]



Napad na avtomobile.

<<http://www.autosec.org/pubs/cars-oakland2010.pdf>>

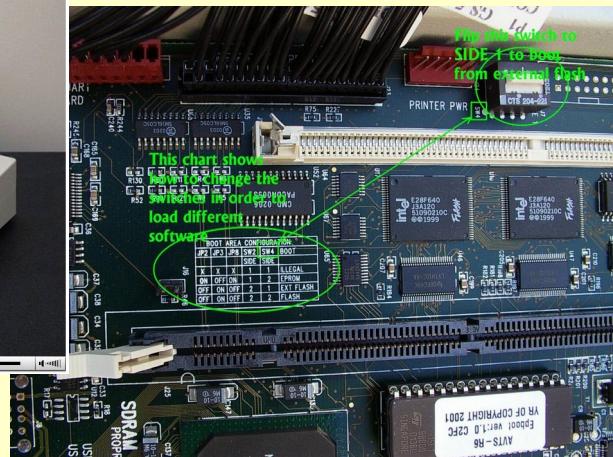
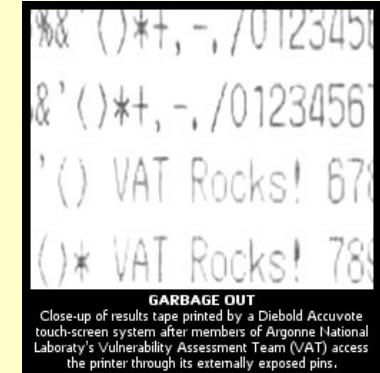
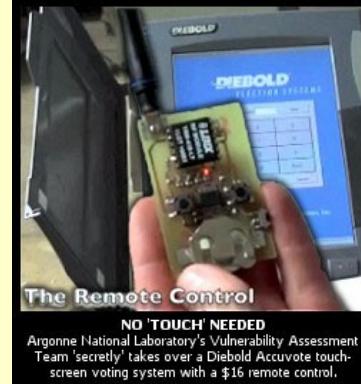


Napad na prometne značke.



Vir in avtorstvo: i.hacked.com,
<http://www.i-hacked.com/content/view/274/48/>

Napadi na e-volitve



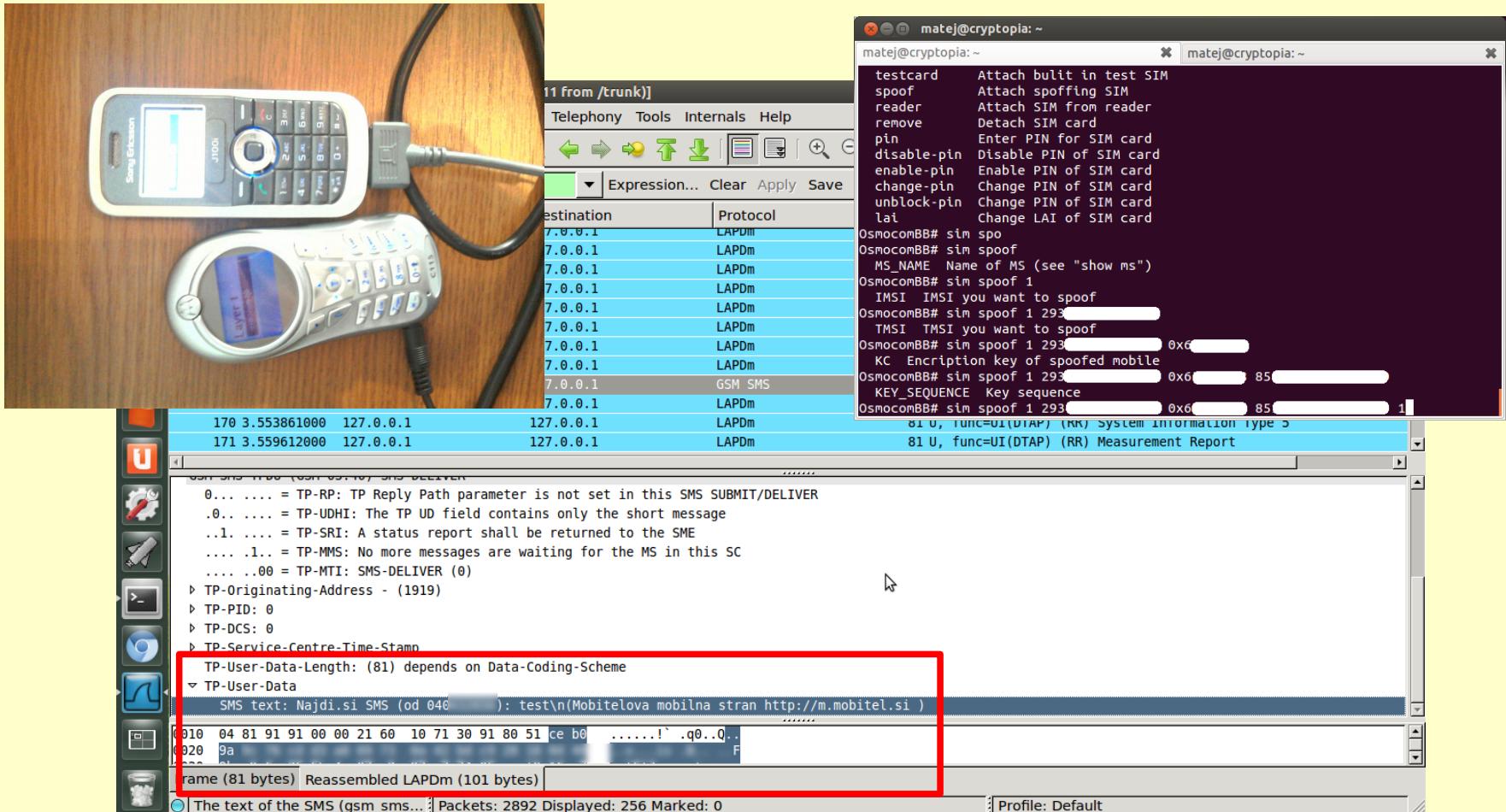
Napad na volilne naprave.

Napadi na bankomate



Napadi na bankomate.

Napadi na mobilno telefonijo



Napadi na mobilno telefonijo,
<<https://pravokator.si/index.php/varnost-gsm/>>

Prestrezanje komunikacij

Zakaj šifriranje?

Follow TCP Stream

Stream Content

```
GET /search.jsp?q=Matej HTTP/1.1
Host: www.najdi.si
User-Agent: Mozilla/5.0 (X11; U; Linux i686; sl; rv:1.8.1.16) Gecko/20080715 Ubuntu/7.10 (gutsy) Firefox/2.0.0.16
Accept: text/xml,application/xml,application/xhtml+xml,text/html;q=0.9,text/plain;q=0.8,image/png,*/*;q=0.5
Accept-Language: sl,en-gb;q=0.7,en;q=0.3
Accept-Encoding: gzip,deflate
Accept-Charset: ISO-8859-2,utf-8;q=0.7,*;q=0.7
Keep-Alive: 300
Connection: keep-alive
Referer: http://www.najdi.si/
Cookie: poll=; MADUTCID=[REDACTED]; JSESSIONID=[REDACTED]

HTTP/1.1 200 OK
Date: Fri, 25 Jul 2008 19:31:01 GMT
Server: Apache
Vary: Accept-Encoding
Content-Language: sl
Content-Encoding: gzip
Set-Cookie: MADUTCID=[REDACTED]; domain=.najdi.si; path=/; expires=Sat, 25-Jul-2009 19:31:02 GMT
Content-Type: text/html; charset=UTF-8
Keep-Alive: timeout=5, max=100
Connection: Keep-Alive
Transfer-Encoding: chunked
```

Pošči Shrani kot Natisni Entire conversation (48737 bytes) ASCII EBCDIC Hex Dump C Arrays Raw

Pomoč Zapri Filter Out This Stream

Nešifrirana spletna komunikacija.

Follow TCP Stream

Stream Content

```

....\x...y...z\h.MO.t.\....0.*....9.8.5.3.2..../.....
.....www.google.com....P..L..H.)>..Z..>..y..r....o:./.k ..u/.....l.'....z...
..|....3.....Y....U..R..%0..!0.....<:d..s.....0
..*H..
....0L.0....U....ZA1%#..U.
..Thawte Consulting (Pty) Ltd.1.0....U...
Thawte SGC CA0..
080502170255Z.
090502170255Zoh1.0....U....US1.0....U...
Californial.0....U...
Mountain View1.0....U.
.
Google Inc1.0....U....www.google.com0..0
..*H..
.....0.....].V.If.y...xNO.....K.%...e.....OG.P.....G....S.....\....g.J.....h..TG.
$0.....?.....6.....^r8I.t.?.....0.0(..U.%.!0..+.....+.....`H..B..06..U.../0-+.).%.http://
crl.thawte.com/ThawteSGCCA.crlOr..+.....fodo"..+....0...http://ocsp.thawte.com0>.+....0.2http://www.thawte.com/
repository/Thawte_SGC_CA.crt0....U.....0.0
..*H..
.....1
l...T..h...C.k..l.....+oP....*6.(..LV m.=B... .W]..2.PEQn...*8..R.(...W..d.M...=...fL..DR.|_
<...7a.....i.c.F.o..r./7D...'0.#0.....0...0
..*H..
....0_1.0....U....US1.0....U...
..VeriSign, Inc.1705..U....Class 3 Public Primary Certification Authority0..
040513000000Z.
140512235959Z0L1.0....U....ZA1%#..U.
..Thawte Consulting (Pty) Ltd.1.0....U...
Thawte SGC CA0..
..*H..
.....0.....g.....1.}...?q<...d.c.2K...o.../....3..3#..t+q...../..c..H.....-2..6.
..{.dj..u..p..).b.!i6.lu....l....u,zh....X.....0...0..U.....0....0...U.....0....0..H..B.....0..U...!
0....0.1.0....U....PrivateLabel3-1501.U....*0(0&.$.". http://crl.verisign.com/pca3.crl02..+.....&0$0" ..+....0...http://
ocsp.thawte.com04..U%.-0+..+.....+.....`H..B...
`..H...E..0
..*H..
.....U.c....._..v..Q....+..wK.iP.....9...ry/....p...S4...S..V+.\\....+..7.H.B%.>....o..m.t...|
{<w...H.../..7.**6.....?To.....lZF&Au.-i....."]..n.t6.0.J..uk.....NcP6b.G
$D.P..7G....~..t.@MP.*..G...#8...<.094.S:U....DV....m.. (.el.i.cz...6..C.....$#G!.S;..f.....e.2P^K)~Cs
[...Y..rw.R.....$.....Q.....7.....#.....v).....B.3I..g...G.3.b.T..Y.....#Z..s...
$...j.R.....;..r.....W.....E" d....%..m...E....La.p.EQ.k.=..21...]....,0.9DN.x.5^....7..
{....>m"....0.D.....wl.>..i..;h.b....&7...FW0Q...k.l'..FS.,..c..vtb..3.uvd:lx...g....RB.....=31
$.y0...}....w....j....3G!....(.W.Lu
.>bqa+}.V|]A....o.!..<..!2..,"..b.....V.B..=
....4ln3H..)r=....^....`M<..1H..X.Un....kv..7....{..v.
)....Y.C..A....$.....

```

Požiči Shraní kot Načini Entire conversation (19546 bytes) ASCII EBCDIC Hex Dump C Arrays Raw

Zapri Filter Out This Stream

Šifrirana spletna komunikacija.

Analiza omrežnega prometa

921	145.190913	193.██████████	91.██████████	TCP	193.██████████ :585 > smtp [ACK] Seq=179 Ack=219 Win=6432 Len=0
922	145.196186	193.██████████	91.██████████	SMTP	Command: MAIL FROM:<matej.kovacic@██████████> SIZE=411
923	145.197425	91.██████████	193.██████████	SMTP	Response: 250 OK
924	145.197644	193.██████████	91.██████████	SMTP	Command: RCPT TO:<matej.kovacic@██████████>
925	145.228297	91.██████████	193.██████████	SMTP	Response: 250 OK
926	145.228621	193.██████████	91.██████████	SMTP	Command: DATA
927	145.229646	91.██████████	193.██████████	SMTP	Response: 354 Enter message, ending with "." on a line
928	145.236472	193.██████████	91.██████████	SMTP	DATA fragment, 414 bytes
929	145.243559	91.██████████	193.██████████	SMTP	Response: 250 OK id=1KMLGN-0001x3-7M
930	145.246496	193.██████████	91.██████████	SMTP	DATA fragment, 6 bytes
931	145.247380	91.██████████	193.██████████	SMTP	Response: 221 ██████████ closing connection
932	145.247621	91.██████████	193.██████████	TCP	smtp > 43389 [FIN, ACK] Seq=396 Ack=583 Win=6432 Len=0
933	145.287572	193.██████████	91.██████████	TCP	43389 > smtp [ACK] Seq=583 Ack=397 Win=6432 Len=0
934	145.403764	193.██████████	91.██████████	TCP	43389 > smtp [FIN, ACK] Seq=583 Ack=397 Win=6432 Len=0
935	145.404693	91.██████████	193.██████████	TCP	smtp > 43389 [ACK] Seq=397 Ack=584 Win=6432 Len=0

Command: AUTH PLAIN AG1hdGVgLmtvdmFjaWNAAKiogKiouc2kAZ2VzbG8hrg==

Uporabniško ime in geslo sta Base64 kodirana...

Command: AUTH PLAIN **matej.kovacic@*****.si|geslo!**

Omrežna analiza VoIP komunikacij

sip.pcap - Wireshark

File Edit View Go Capture Analyze Statistics Help

Filter: sip Expression... Počisti Uporabi

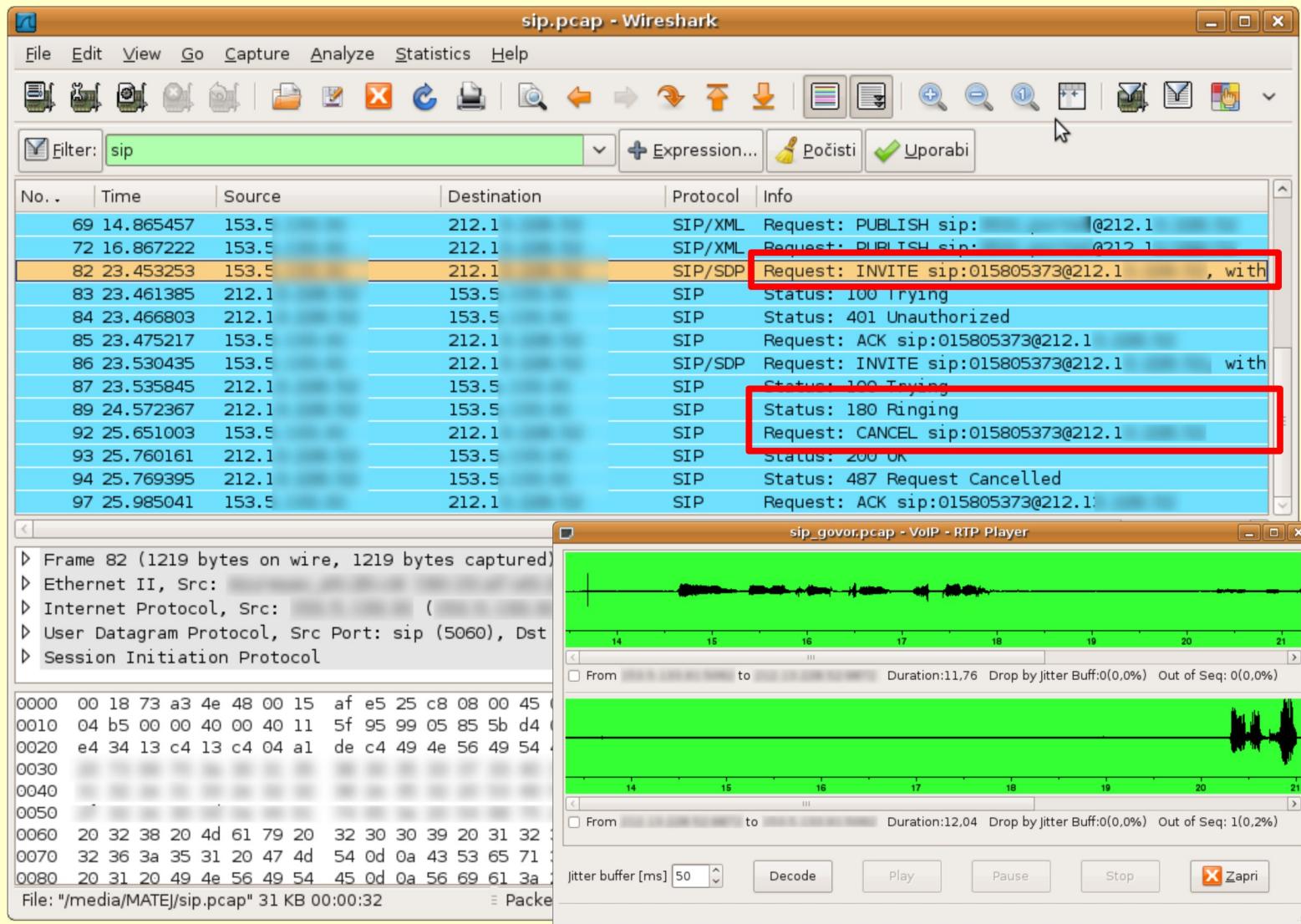
No..	Time	Source	Destination	Protocol	Info
69	14.865457	153.5	212.1	SIP/XML	Request: PUBLISH sip: [REDACTED]@212.1
72	16.867222	153.5	212.1	SIP/XML	Request: PUBLISH sip: [REDACTED]@212.1
82	23.453253	153.5	212.1	SIP/SDP	Request: INVITE sip:015805373@212.1 , with [REDACTED]
83	23.461385	212.1	153.5	SIP	Status: 100 Trying
84	23.466803	212.1	153.5	SIP	Status: 401 Unauthorized
85	23.475217	153.5	212.1	SIP	Request: ACK sip:015805373@212.1
86	23.530435	153.5	212.1	SIP/SDP	Request: INVITE sip:015805373@212.1 with [REDACTED]
87	23.535845	212.1	153.5	SIP	Status: 100 Trying
89	24.572367	212.1	153.5	SIP	Status: 180 Ringing
92	25.651003	153.5	212.1	SIP	Request: CANCEL sip:015805373@212.1
93	25.760161	212.1	153.5	SIP	Status: 200 OK
94	25.769395	212.1	153.5	SIP	Status: 487 Request Cancelled
97	25.985041	153.5	212.1	SIP	Request: ACK sip:015805373@212.1:

Frame 82 (1219 bytes on wire, 1219 bytes captured)
Ethernet II, Src: [REDACTED] ([REDACTED]), Dst: [REDACTED] ([REDACTED])
Internet Protocol, Src: [REDACTED] ([REDACTED]), Dst: [REDACTED] ([REDACTED])
User Datagram Protocol, Src Port: sip (5060), Dst Port: [REDACTED] ([REDACTED])
Session Initiation Protocol

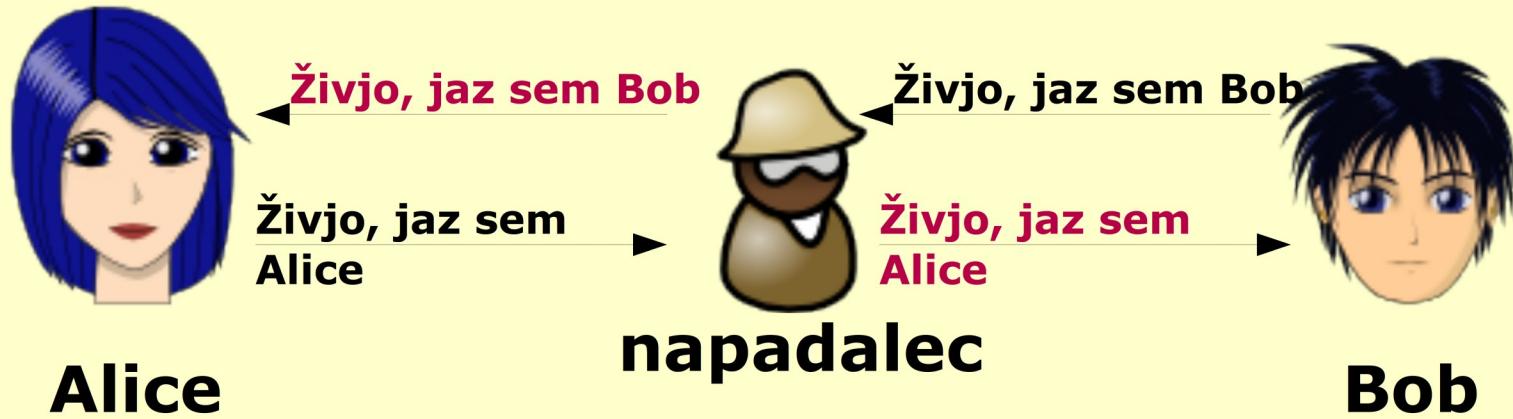
0000 00 18 73 a3 4e 48 00 15 af e5 25 c8 08 00 45
0010 04 b5 00 00 40 00 40 11 5f 95 99 05 85 5b d4
0020 e4 34 13 c4 13 c4 04 a1 de c4 49 4e 56 49 54
0030
0040
0050
0060 20 32 38 20 4d 61 79 20 32 30 30 39 20 31 32
0070 32 36 3a 35 31 20 47 4d 54 0d 0a 43 53 65 71
0080 20 31 20 49 4e 56 49 54 45 0d 0a 56 69 61 3a
File: "/media/MATEJ/sip.pcap" 31 KB 00:00:32

sip_govor.pcap - VoIP - RTP Player

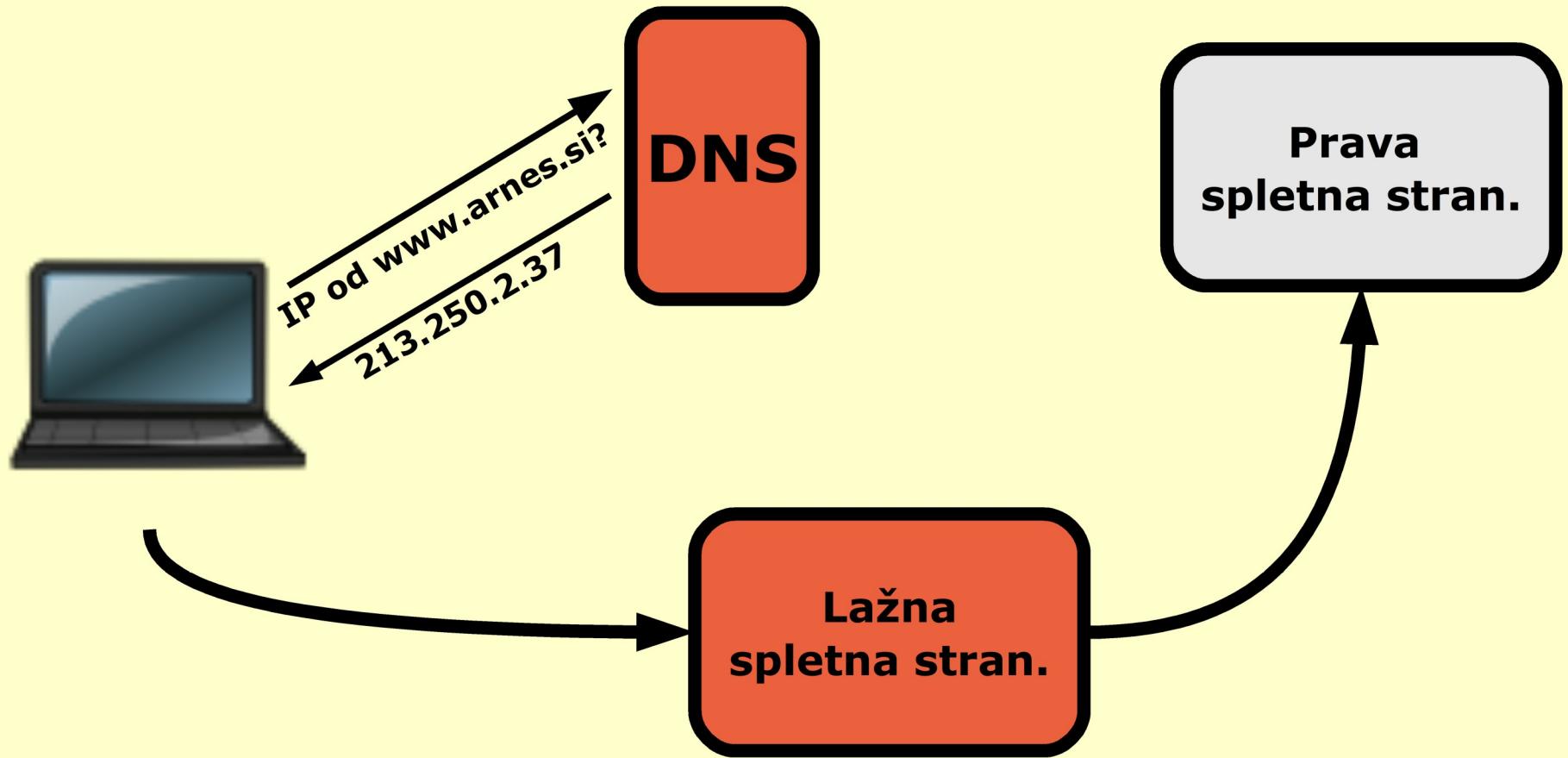
Jitter buffer [ms] 50 Decode Play Pause Stop Zapri



Napad s posrednikom (MITM napad)



DNS preusmerjanje



Spletno stran je certificirala neznana uradna oseba za certifikate (CA)



Ne morem preveriti identitete strani posta.owca.info kot strani, ki ji zaupam.

Možni razlogi za to napako:

- Vaš brskalnik ne prepozna uradne osebe za certifikate (CA), ki je izdala certifikat tej strani
- Certifikat te strani ni popoln zaradi nepravilnih nastavitev strežnika
- Povezani ste s stranko, ki se pretvarja, da je posta.owca.info, morda zato, da bi si pridobila vaše zaupne podatke.

Prosim, obvestite vzdrževalca strani o tem problemu.

Preden sprejmete ta certifikat, ga morate podrobno pregledati. Ste pripravljeni sprejeti ta certifikat v namene identifikacije spletne strani posta.owca.info?

[Preveri certifikat ...](#)

- Ta certifikat sprejmi za vedno
- Ta certifikat sprejmi začasno, le za to sejo
- Tega certifikata ne sprejmi in se ne poveži s to spletno stranjo

[Prekliči](#)

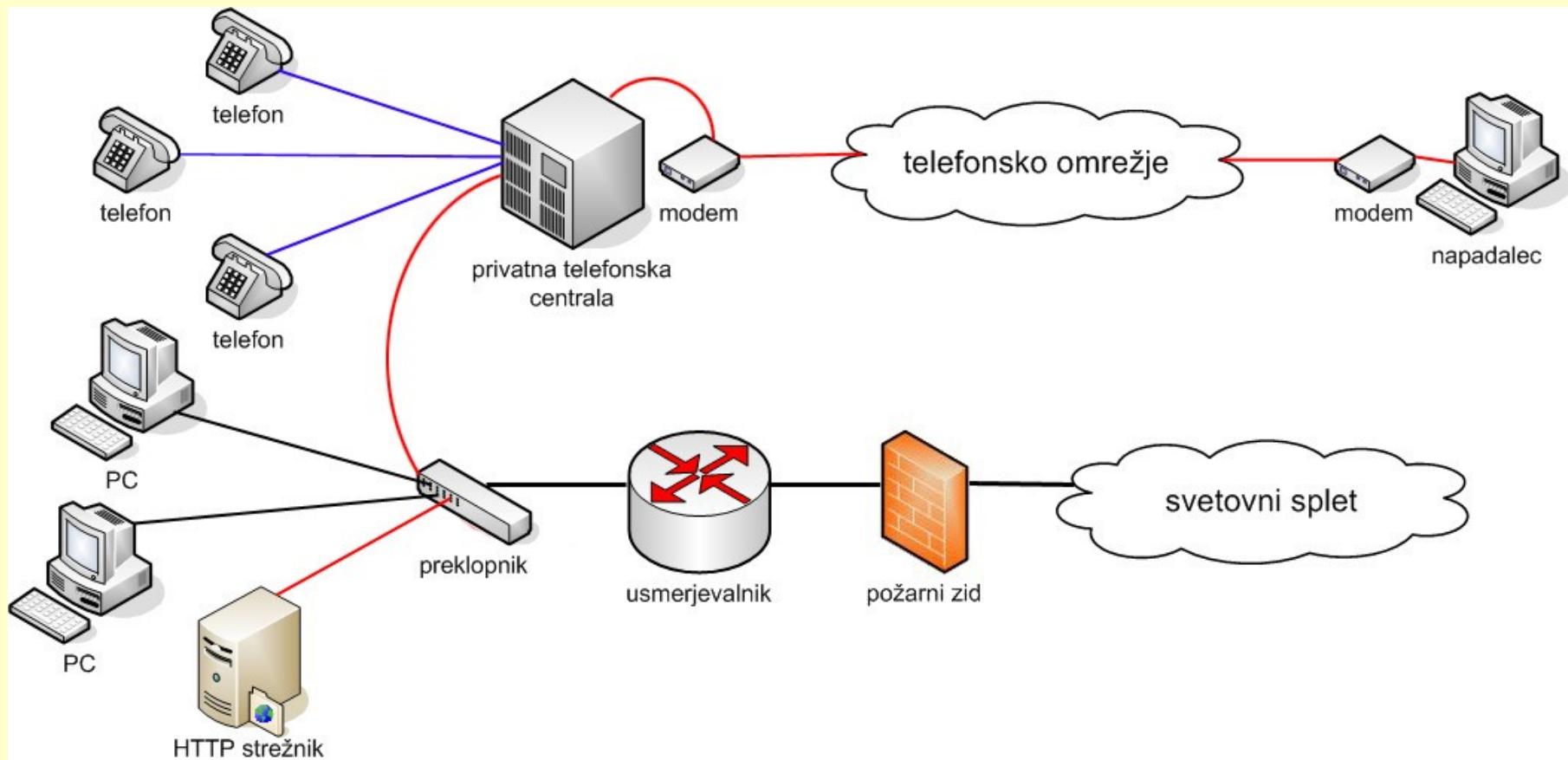
[V redu](#)

MITM napad na DECT protokol

- DECT je protokol, ki se uporablja za zaščito brezžičnih komunikacij pred prisluškovanjem. Uporablja se pri domačih brezžičnih telefonih, pri otroških telefonih (baby phone), sistemih za odpiranje vrat, klicih v sili, brezžičnih čitalcih bančnih kartic, itd..
- Leta 2008 so raziskovalci ugotovili, da je DECT mogoče razbiti s pomočjo navadnega računalnika z operacijskim sistemom Linux ter kartico *ComOnAir*.



Je dostop do lokalnega omrežja res zavarovan?



Javni ali zasebni prostor?

Socialna omrežja: zasebni ali javni prostor?

(8 of 10)



06/11/07

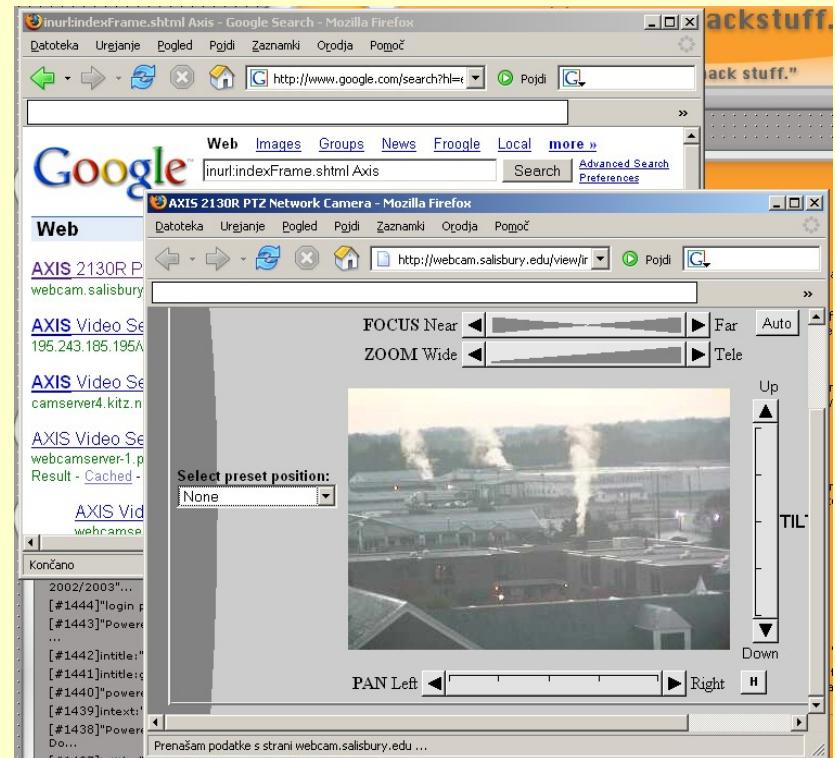


Ko zaseben podatek postane javen

- McVeigh v. Cohen, 983 F.Supp. 215 (1998). Mornariški častnik je v svoj AOL profil vpisal, da je gej, s čimer naj bi kršil politiko "*don't ask, don't tell*".
- "Prikrito" zbiranje osebnih podatkov: Google Toolbar, ki zabeleži vsebino "zasebnih" strani.
- Preprodaja osebnih podatkov in oddaja zunanjim izvajalcem (Toysmart, "outsourcing" vnosa medicinskih kartotek v Indijo).
- Zbiranje javno dostopnih podatkov, Whois baza, "Google hacking")

“Google hacking”

- Vincent Gaillet, How to use Google to find confidential informations, 2001
[<http://archive.cert.uni-stuttgart.de/archive/bugtraq/2001/11/msg00135.html>.](http://archive.cert.uni-stuttgart.de/archive/bugtraq/2001/11/msg00135.html)
- Johnny Long, Watching the Watchers, Defcon, 2003.
- Leta 2004 izide knjiga Google Hacking for Penetration Testers.
- Google Hacking Database (GHDB).





site:www.fdvinfo.net filetype:xls

Išči po: celotnem spletu straneh v državi Slovenija

Splet

www.fdvinfo.net/uploadi/editor/1169747348razpis%20... - 30 sep

[Podobne strani](#)

www.fdvinfo.net/uploadi/editor/timing_ure_v03.xls

[Podobne strani](#)

www.fdvinfo.net/uploadi/editor/orepma1.xls

[Podobne strani](#)

www.fdvinfo.net/uploadi/editor/1213891276imenik_re...

[Podobne strani](#)

www.fdvinfo.net/uploadi/editor/1167984701seznam-pr... - 30 sep

[Podobne strani](#)

www.fdvinfo.net/uploadi/editor/paket%2012-drugi.xls

[Podobne strani](#)

www.fdvinfo.net/uploadi/editor/1167984737seznam-pr...

[Podobne strani](#)

www.fdvinfo.net/uploadi/editor/timing_v02.xls - 30 sep

[Podobne strani](#)

www.fdvinfo.net/uploadi/editor/1160116879seznam-pr...

[Podobne strani](#)

www.fdvinfo.net/uploadi/editor/1170236210FDV_teme ...

[Podobne strani](#)

orepmal (samo za branje) - OpenOffice.org Calc

Datoteka Uredi Pogled Vstavi Oblika Orodja Podatki Okno Pomoč

f(x) Σ =

	A	B	C	D	E	F	G	H
4								
5	KDO	KAJ	KOLIKO	Z DDV		VIR		
6	mivar	pc z monitorjem19	548	657,6				
7	nusa	notebook 9105	334	400,8				
8	vasja	notebook 5000	386	463,2	463	ird w plus 29807 MID vir (ne MZT)		
9	gregor	server	432	518,4	172,8	ird w		
10		dodatki za server	140	168				
11	vasja	tiskalnik	72	86,4	85	ird w		
12	gregor	pc+dodatki	140	168				
13	kejzar	pc	117	140,4				
14	vasja	pc+dodatki	130	156	156	ird w		
15	vasja	monitor19	95	114	114	ird w		
16	gregor	mor						
17	natasa	mor						
18	katja	scanser						

timing_ure_v03 (samo za branje) - OpenOffice.org Calc

Datoteka Uredi Pogled Vstavi Oblika Orodja Podatki Okno Pomoč

R11 f(x) Σ =

O	P	Q	R	S	T	U	V
Finančna konstrukcija							
1							
2			2004		2005		
3	maj	MŠŽŠ	Lastna sredstva		MŠŽŠ	Lastna sredstva	
4				200.000			
5	5+1			100.000		100.000	
6		5.000					
7		45.000			50.000		
8		50.000					
9						10.000	VR

terminski in finančni plan

stroški

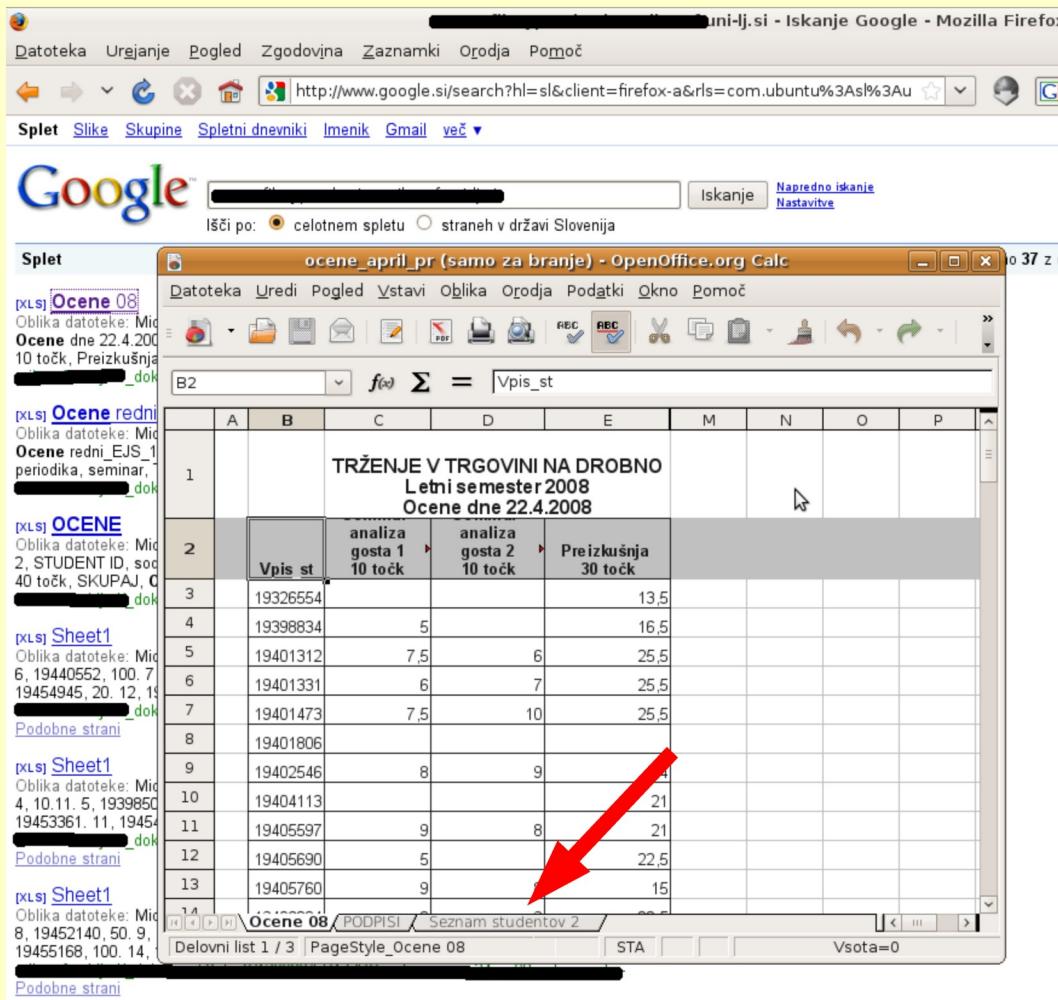
Delovni list 1 / 2 | PageStyle_terminski in finančni plan | 100% | STA

O	P	Q	R	S	T	U	V
Finančna konstrukcija							
1							
2		2004		2005			
3	maj	MŠŽŠ	Lastna sredstva		MŠŽŠ	Lastna sredstva	
4				200.000			
5	5+1			100.000		100.000	
6		5.000					
7		45.000			50.000		
8		50.000					
9						10.000	VR

site:www.fdvinfo.net filetype:xls

Išči med zadetki | Jezikovna orodja | Namigi za iskanje

Javno ali zasebno?



"Google hacking"

Javno ali zasebno?

Splet Slike Skupine Spletni dnevniki Imenik Gmail več ▾

Google Isči po: celotnem s... Napredno iskanje Nastavitev

Splet

[xls] [Investicije ESRR](#)
Oblika datoteke: Microsoft Excel - [V obliku HTML](#)
17, 28/10/2005, 2500000.00, 25000.00, 562500.00,
TRR. 18, 2, avtorska dela - tehnično strokovno znanje za

Podobne strani

[xls] [program MK](#)
Oblika datoteke: Microsoft Excel - [V obliku HTML](#)
16, 4a, 29/04/2005, 219780.00, **Nakazilo na Nakazilo** na TRR, plačilo po predračunu ...

[Podobne strani](#)
[Več zadevkov na www.ljudmila.org »](#)

[xls] [List1](#)
Oblika datoteke: Microsoft Excel - [V obliku HTML](#)
17, **Nakazilo** letne premije se nakaže na Planinsko s podatki o zavarovancu ob **nakazilu** premije pošle

[xls] [pr.čl.2006](#)
Oblika datoteke: Microsoft Excel - [V obliku HTML](#)
3 okt 2005 ... 28, Skupaj za **nakazilo** na PZ Obveznost **nakazila** na PZS, ki je sestavljen

[Več zadevkov na www.pzs.si »](#)

[xls] [Sheet1](#)
Oblika datoteke: Microsoft Excel - [V obliku HTML](#)
11, 09, **Nakazilo** ZBS, Priliv ... 36, 56, Potni strošek deviz - **nakazilo** v tujino, Odliv, 1129 ...

[xls] [Sheet1](#)
Oblika datoteke: Microsoft Excel - [V obliku HTML](#)
11, 09, **Nakazilo** ZBS, Priliv, 12, 21, Vnovčno **nakazilo** v tujino, Odliv, 1129 ...

[Več zadevkov na www.andersen.si »](#)

(samo za branje) - OpenOffice.org Calc

Datoteka Uredi Pogled Vstavi Oblika Orodja Podatki Okno Pomoč

C34 f(x) Σ =

	B	C	D	E	F	G
3	FINANČNO POROČILO					Projekt: [REDACTED]
4	SEZNAM RAČUNOV (v SIT)					Izvajalec: [REDACTED]
5						Št. pogodbe: Aneks št.1 k pogodbi št. 35
6						Št. poročila: 1/2005
7						Obdobje poročanja: 01. 01. 2005 - 17. 11
8	Struktura projekta - glede na odobritev					
9	Sklop aktivnosti	Stroškovna postavka	Vrsta spremljajočega dokumenta (vključno z referenčno številko IN datumom računa)	Izdajatelj računa	Datum plačila	Znesek brez DDV (v SIT)
10						
11						
12	3. Tehnično in strokovno znanje, neposredno vezano na projekt (stroški dela pri postavitvi in administraciji računov)					
13						6.231.490,
14	1	avtorska dela - tehnično strokovno znanje za [REDACTED]	Avtorska pogodba št.07/2005 z dne 15.01.2005 in Aneks 30.07.2005	[REDACTED]	23.03.2005	258.065,00
15		[REDACTED]			01.04.2005	50.000,00
16		[REDACTED]			26.10.2005	378.065,00
17		[REDACTED]			28.10.2005	2.500.000,00
18		[REDACTED]		skupaj		
19	2	avtorska dela - tehnično strokovno znanje za [REDACTED]	Avtorska pogodba št.06/2005 z dne 15.01.2005 in Aneks 30.07.2005	[REDACTED]	23.03.2005	567.720,00
20		[REDACTED]			29.04.2005	220.000,00

Delovni list 1 / 2 PageStyle_ [REDACTED] 100% STA Vsota=0

“Google hacking”

“Google hacking”

lang:php mysql_connect\(["a-z]+\.[a-z\.]+" , \"[a-zA-Z0-9]+\" -loc

Datoteka Urejanje Pogled Pojdi Zaznamki Orodja Pomoc

http://www.google.com/codesearch?hl=en&lr=&q=lang%3Aphp+mysql_

Google Code Search LABS lang:php mysql_connect\(["a-z]+\.[a-z\.]+" , \"[a-zA-Z0-9]+\" -loc Search Advanced Code Search

Code

[OLDDBLOG/include/db.php](#)

```
3: function db_connect() {  
    mysql_connect("mysql.rucus.ru.ac.za", "russell", "optika");  
    mysql_select_db("russell");  
};
```

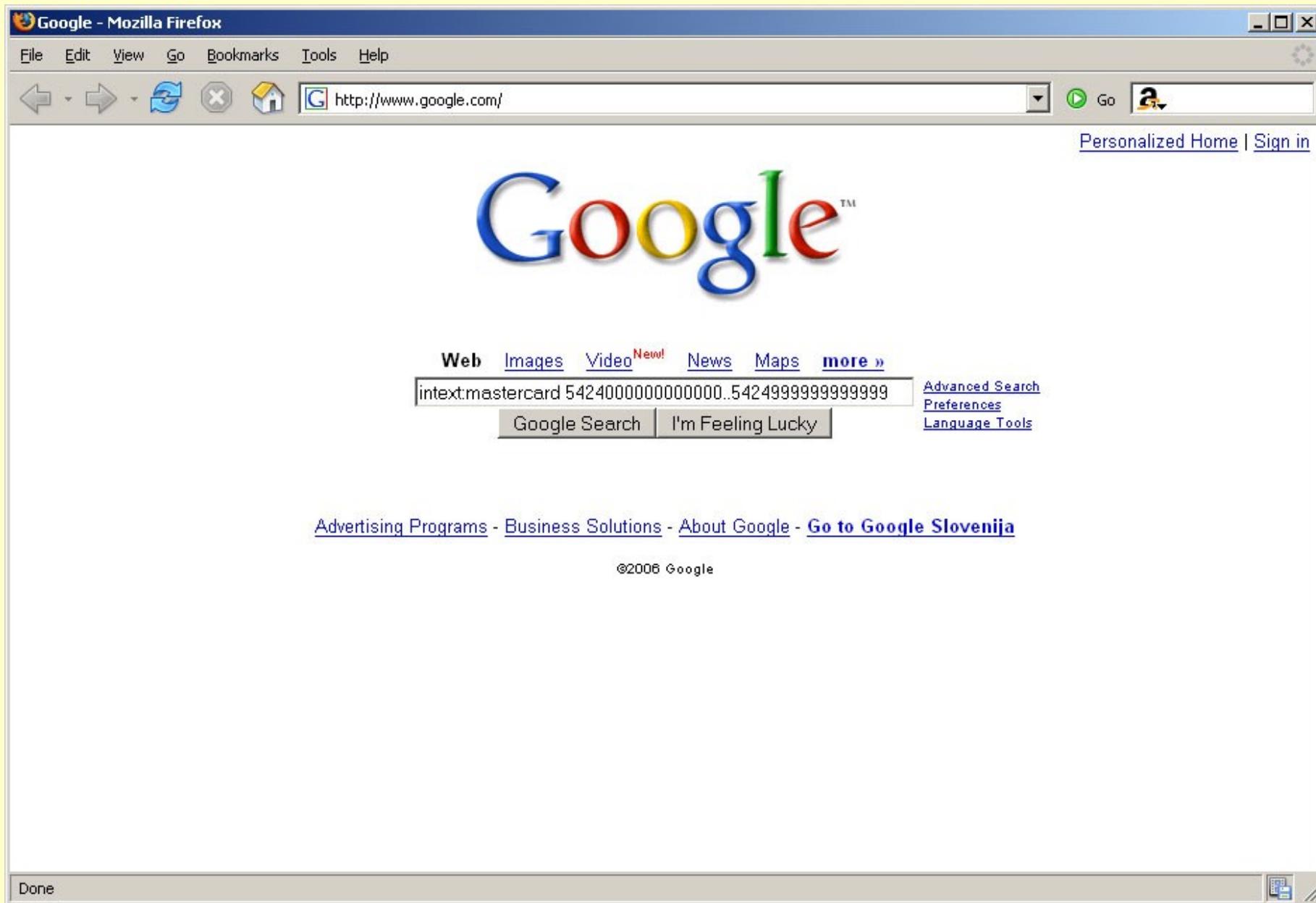
[cbm.rucus.net/russell.tar](#) - Unknown License - PHP

[chapitre01/planches/getVentesActualisees-ajax_mysql.php](#) - 1 identical

```
28: // Connexion à la base  
$connexion = @mysql_connect("mysql.tetelapremiere.fr", "secret", "tres-secret");  
if (!$connexion)  
  
33: if (!mysql_select_db("atlp", $connexion))  
    die("Erreur lors de la sélection de la base: " . mysql_error());
```

[www.tetelapremiere.fr/.../chapitre01.zip](#) - Unknown License - PHP

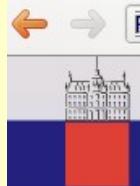
Iskanje gesel za vdor s pomočjo “Google hacking-a”.



Javno ali zasebno?



22.5.2008 11:27:31.514
Nočni trezor


FDV www.fdv.uni-lj.si/Kontakti/telefonski_imenik.asp Google

Fakulteta za družbene vede
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Kontakti

[OSEBNA IZKAZNICA](#)
[POMEMBNI KONTAKTI](#)
[TELEFONSKI IMENIK FDV](#)
[SPLOŠNI E-MAIL NASLOVI](#)

TELEFONSKI IMENIK
A B Č Č D Đ E F G H I J K L M N O P R S Š T U V Z Z

V primeru nejasnosti ali informacije pokličite **5805-100**

Primek in Ime	Interna številka	Številka sobe
A		
ADAM dr. Frane	219	DS 21
AKSENTIJEVIĆ Živojin	152	KNJIŽNICA
B		
BABIĆ Nela	121	AP 22a
BAČLIJA dr. Irena	171	B 103
BAHOR mag. Maja	256	DS 12
BANJAC Marinko	364	C 231
BEBLER dr. Anton	327	AP 27
BERCE dr. Jaroslav	362	IDV 610

tel_imenik_FDV.ods - LibreOffice Calc

Datoteka Uredi Pogled Vstavi Oblika Orodja P

Arial 10 A A

A	B	
239	UHAN dr. Samo	296
240	VEHOVAR dr. Vasja	297
241	TOŠ dr. Niko	298
242	GREGORČIČ dr. Marta	299
243	VELIKONJA dr. Mitja	299
244		300
245	BERNIK dr. Ivan	301
246	JOGAN dr. Maca	302
247		303
248	KOS dr. Drago	304
249	DIMC Neli	305
250	MALI dr. Franc	306
251	MENCIN-ČEPLAK dr. Marjeta	307
252	MIHELJAK dr. Vlado	308
253	RENER dr. Tanja	309
254	SMRKE dr. Marjan	310
255	LEBARIČ mag. Vasja	311
256	TIVADAR dr. Blanka	312
257	ILOZAR MANFREDA dr. Katja	313

Delovni list1 / Delovni list2 / Delovni list3 | Privzeto | STA | Vsota=0

UNCLASSIFIED

I. BACKGROUND

A. (U) Administrative Matters

1. (U) Appointing Authority

(U) I was appointed by LTG John R. Vines, Commander, Multi-National Corps-Iraq (MNC-I) on 8 March 2005 to investigate, per U.S. Army Regulation 15-6 (Annex 1B), all the facts and circumstances surrounding the incident at a Traffic Control Point (TCP) in Baghdad, Iraq on 4 March 2005 that resulted in the death of Mr. Nicola Calipari and the wounding of Ms. Giuliana Sgrena and **Mr. Andrea Carpani**. Lieutenant **Colonel Richard Thelin**, USMC was appointed as my legal advisor for this investigation. I was directed to thoroughly review (1) the actions of the Soldiers manning the TCP, (2) the training of the Soldiers manning the TCP, (3) TCP procedures, (4) the local security situation, (5) enemy tactics, techniques, and procedures (TTPs), (6) the Rules of Engagement (ROE) employed during the incident, and (7) any coordination effected with the Soldiers at TCP or their higher levels of command on the transport of Ms. Sgrena from Baghdad International Airport (BIAP). (Annex 1A).

(U) The appointing letter (Annex 1A) refers to the location of the incident as being a Traffic Control Point (TCP). As will be further explained in this report, the Soldiers involved were actually manning a former Traffic Control Point, but executing a blocking mission. This mission took place at a southbound on-ramp from Route Vernon (also known as Route Force on MNF-I graphics) onto westbound Route Irish, the road to BIAP. The intersection of these two routes has been designated as Checkpoint 541. For purposes of this report, the position will be referred to as Blocking Position 541 (BP 541).

2. (U) Brief Description of the Incident

(U) On the evening of 4 March 2005, personnel of **A** Company of **1-69** Infantry (attached to **2d** Brigade Combat Team, 10th **Mountain Division**), were patrolling Route

I. BACKGROUND

A. (U) Administrative Matters

1. (U) Appointing Authority

(U) I was appointed by LTG John R. Vines, Commander, Multi-National Corps-Iraq (MNC-I) on 8 March 2005 to investigate, per U.S. Army Regulation 15-6 (Annex 1B), all the facts and circumstances surrounding the incident at a Traffic Control Point (TCP) in Baghdad, Iraq on 4 March 2005 that resulted in the death of Mr. Nicola Calipari and the wounding of Ms. Giuliana Sgrena and **Mr. Andrea Carpani**. Lieutenant Colonel **Colonel Richard Thelin**, USMC was appointed as my legal advisor for this investigation. I was directed to thoroughly review (1) the actions of the Soldiers manning the TCP, (2) the training of the Soldiers manning the TCP, (3) TCP procedures, (4) the local security situation, (5) enemy tactics, techniques, and procedures (TTPs), (6) the Rules of Engagement (ROE) employed during the incident, and (7) any coordination effected with the Soldiers at the TCP or their higher levels of command on the transport of Ms. Sgrena from Baghdad to Baghdad International Airport (BIAP). (Annex 1A).

(U) The appointing letter (Annex 1A) refers to the location of the incident as being a Traffic Control Point (TCP). As will be further explained in this report, the Soldiers involved were actually manning a former Traffic Control Point, but executing a blocking mission. This mission took place at a southbound on-ramp from Route Vernon (also known as Route Force on MNF-I graphics) onto westbound Route Irish, the road to BIAP. The intersection of these two routes has been designated as Checkpoint 541. For purposes of this report, the position will be referred to as Blocking Position 541 (BP 541).

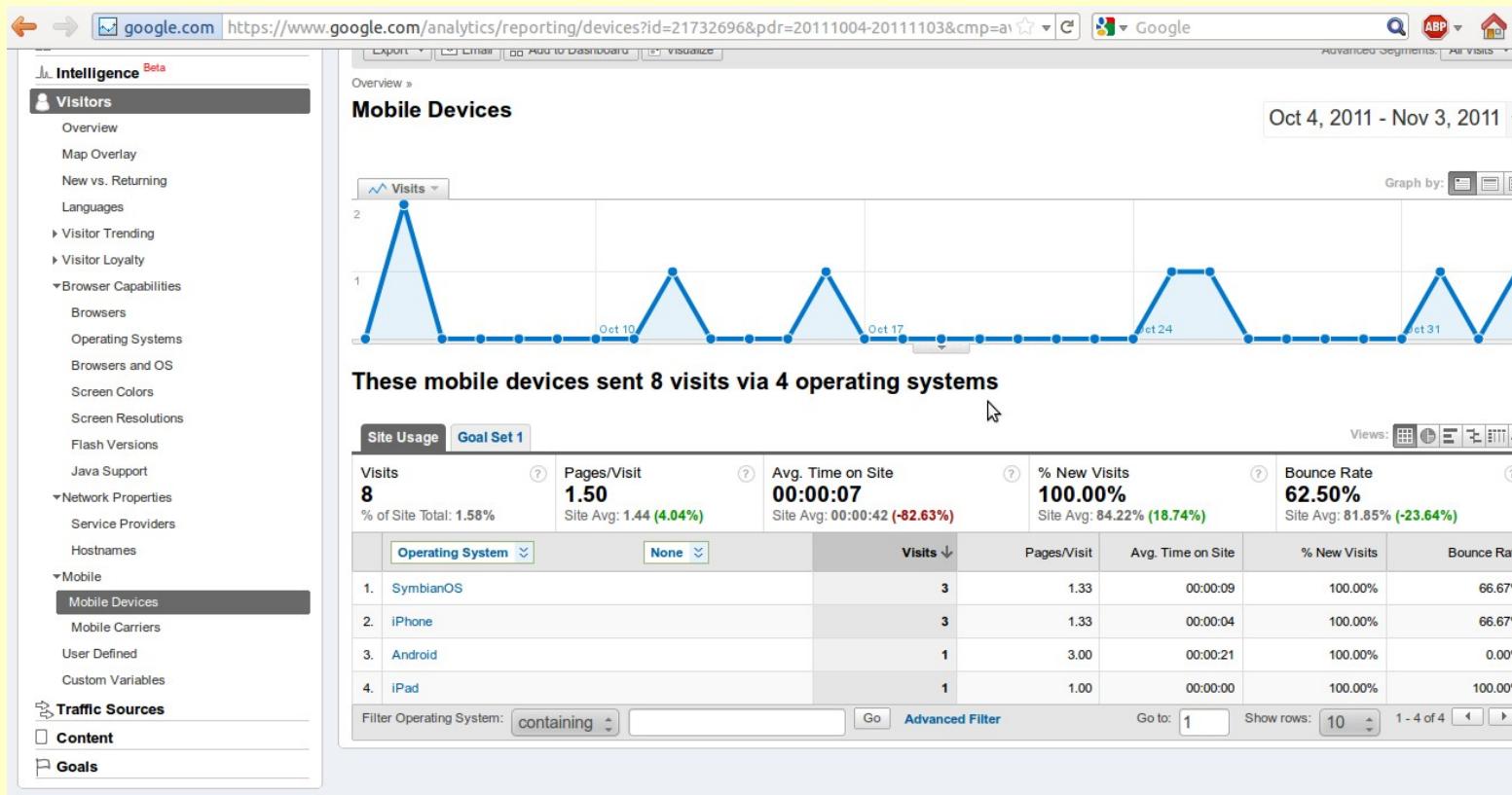
2. (U) Brief Description of the Incident

(U) On the evening of 4 March 2005, personnel of **A** Company of **1-69** Infantry (attached to **2d** Brigade Combat Team, **10th Mountain Division**), were patrolling Route Irish, the road linking downtown Baghdad with BIAP. Seven of those Soldiers were then

Prometni podatki, metapodatki in drugi skriti podatki

Prometni podatki

- pri ponudnikih dostopa do interneta, pri ponudnikih vsebin;
- "klepetavost brskalnikov", piškotki, superpiškotki,...



Analiza prometnih podatkov

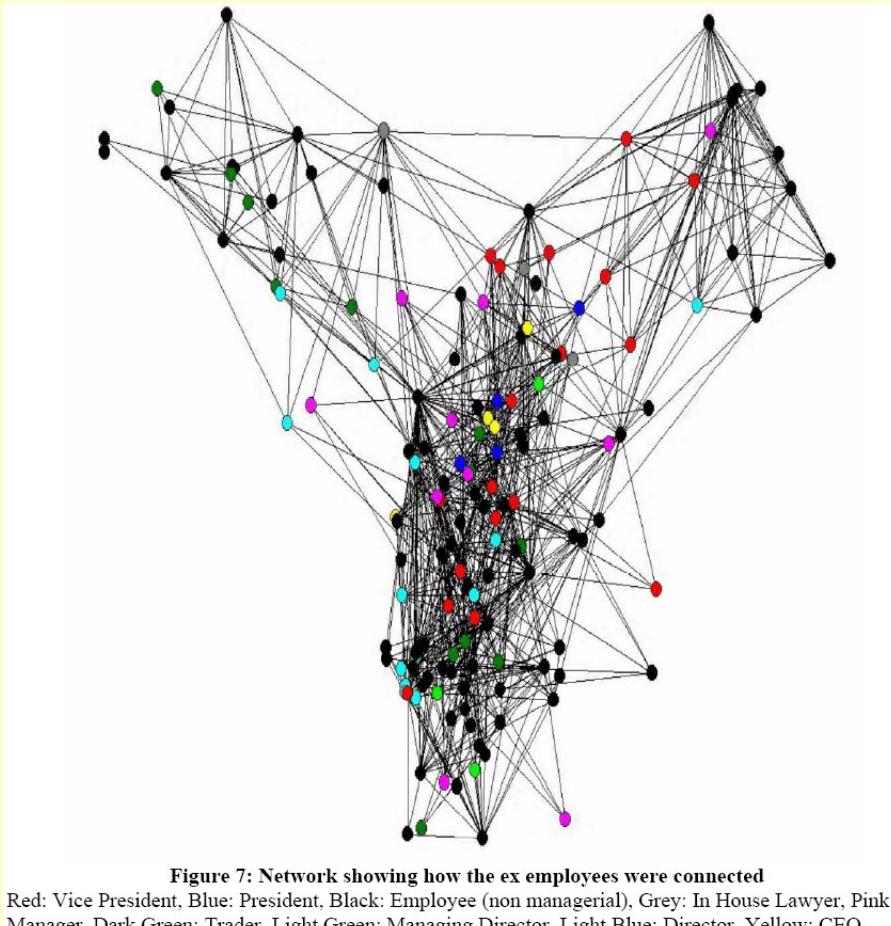
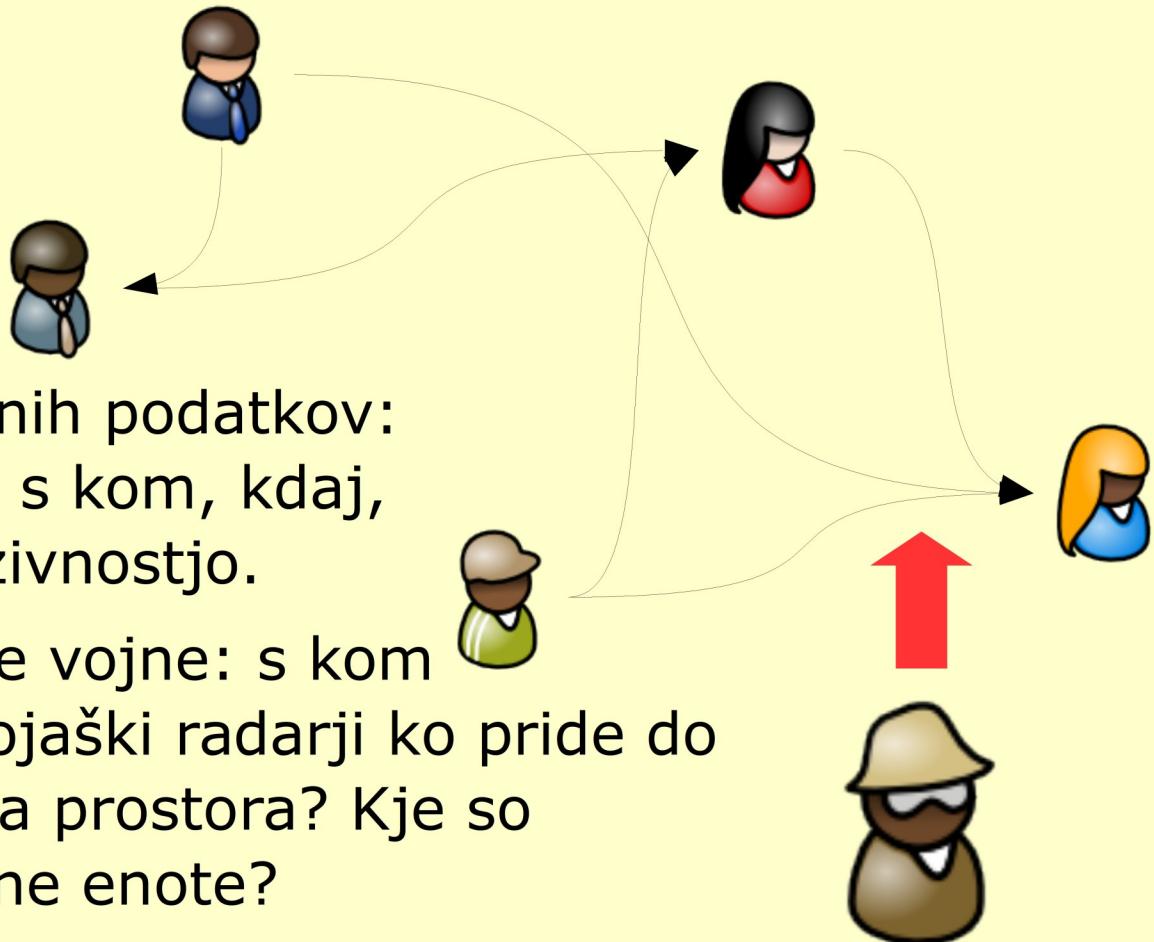


Figure 7: Network showing how the ex employees were connected

Red: Vice President, Blue: President, Black: Employee (non managerial), Grey: In House Lawyer, Pink: Manager, Dark Green: Trader, Light Green: Managing Director, Light Blue: Director, Yellow: CEO

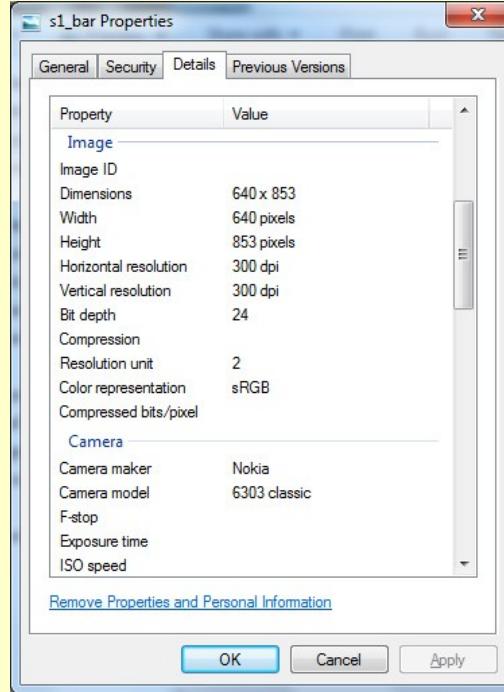
Kdo v Enronu je s kom komuniciral – socialno omrežje zaposlenih.
Vir in avtorstvo: *Shetty in Adibi, The Enron Email Dataset - Database Schema and Brief Statistical Report, 2004.*

Analiza prometa



napadalec

Skriti metapodatki...



KPK - FOCA Free 3.0

Project Tools Options TaskList About Donate

Directory listing DNS Active Cache .DS_Store GHDB Insecure Methods Multiple choices SQLi Listing Leaks Proxy Users ZoneTransfer Metadata Documents (85/97) .pdf (53) Unknown (32) Metadata Summary Users (15) Folders (0) Printers (0) Software (20) Emails (0) Operating Systems (0) Passwords (0) Servers (0)

FOCA

Clean your OpenOffice documents with OOMetaExtractor

Attribute	Value
All users found (15) - Times found	
Geda	2
SPECKBACHER	3
RPráh	3
Pedron_S	2
Sandra Blagojević	5
Roman Práh	6
Barbara Lavtar	2
Dearna M. Clements	3
User	12
Readiris	1
SBlagojevic	2
ktjasa	5
GHITA Simona	2
King	1
Neža Pernat	2

Time	Source	Severity	Message
22:34:27	MetadataSearch	low	Document metadata extracted: C:\Documents and Settings\kpkMacF\Local Settings\Temp\katalog...
22:34:28	MetadataSearch	low	Document metadata extracted: C:\Documents and Settings\kpkMacF\Local Settings\Temp\Resolu...
22:34:28	MetadataSearch	low	Document metadata extracted: C:\Documents and Settings\kpkMacF\Local Settings\Temp\seznam...
22:34:28	MetadataSearch	low	Document metadata extracted: C:\Documents and Settings\kpkMacF\Local Settings\Temp\Akcijski...
22:34:28	MetadataSearch	low	Document metadata extracted: C:\Documents and Settings\kpkMacF\Local Settings\Temp\inkrimin...
22:34:29	MetadataSearch	low	Document metadata extracted: C:\Documents and Settings\kpkMacF\Local Settings\Temp\KATAL...
22:34:29	MetadataSearch	low	Document metadata extracted: C:\Documents and Settings\kpkMacF\Local Settings\Temp\ZIntPK...

Conf Deactivate AutoScroll Clear Save log to File

Metadata analyzed !

FOCA, orodje za iskanje in analizo metapodatkov v dokumentih objavljenih na spletnih straneh, <<http://www.informatica64.com/>>

IP-RS - FOCA Free 3.0

Project Tools Options TaskList About Donate

PC_Mike Mandel
PC_Ministrstvo za pravosodje
PC_Mitja Blaganje
PC_mlaznik
PC_MP
PC_mprelesnik
PC_Nataša Brenk
PC_Nataša Pirc
 Users
 Folders
PC_Nick
PC_npirc
PC_P_Chavdarov
PC_Polona Tepina
PC_ptepina
PC_Publications Office
PC_r.ruseva
PC_Rosana Lemut Strl
PC_Sandra Vesel
PC_Sanja Vraber
PC_SBien
PC_snovak
PC_Sonja Bien
PC_snova

FOCA

Clean your OpenOffice documents with OOMetaExtractor

Attribute	Value
Users	Nataša Pirc
Folders	C:\Program%20Files\Microsoft%20Office\MEDIA\CAGCAT10\ d\Osebno\Moji%20dokumenti\My%20Pictures\Microsoftov%20organizator%20izrezk... C:\Documents%20and%20Settings\NPirc\Local%20Settings\Temporary%20Internet...
Software	Microsoft Office Microsoft Office 2007

Time	Source	Severity	Message
8:24:13	MetadataSearch	low	Document metadata extracted: C:\Documents and Settings\kpkMacF\Local Settings\Temp\Smernic...
8:24:13	MetadataSearch	low	Document metadata extracted: C:\Documents and Settings\kpkMacF\Local Settings\Temp\Smernic...
8:24:13	MetadataSearch	low	Document metadata extracted: C:\Documents and Settings\kpkMacF\Local Settings\Temp\ZAKON...
8:24:13	MetadataSearch	low	Document metadata extracted: C:\Documents and Settings\kpkMacF\Local Settings\Temp\vzorec...
8:24:13	MetadataSearch	low	Document metadata extracted: C:\Documents and Settings\kpkMacF\Local Settings\Temp\Terk...
8:24:14	MetadataSearch	low	Document metadata extracted: C:\Documents and Settings\kpkMacF\Local Settings\Temp\OP_in...
8:24:14	MetadataSearch	low	Document metadata extracted: C:\Documents and Settings\kpkMacF\Local Settings\Temp\Priloga...

Conf Deactivate AutoScroll Clear Save log to File

Metadata analyzed !

FOCA - analiza www.ip-rs.si

```
sudo nmap -O www.fdv.uni-lj.si
```

```
Starting Nmap 5.21 ( http://nmap.org ) at 2011-11-07 09:21 CET
Nmap scan report for www.fdv.uni-lj.si (193.2.110.7)
Host is up (0.0094s latency).
rDNS record for 193.2.110.7: bumbar.fdv.uni-lj.si
Not shown: 997 filtered ports
PORT      STATE SERVICE
80/tcp    open  http
113/tcp   closed auth
443/tcp   open  https
Device type: general purpose|WAP
Running (JUST GUESSING) : Microsoft Windows 2008|Vista|7 (90%),
AirSpan embedded (87%), FreeBSD 6.X (87%), Apple embedded (85%)
Aggressive OS guesses: Microsoft Windows Server 2008 Beta 3
(90%), Microsoft Windows Vista SP0 or SP1, Server 2008 SP1, or
Windows 7 (90%), AirSpan ProST WiMAX access point (87%),
FreeBSD 6.2-RELEASE (87%), Apple AirPort Extreme WAP v7.3.2
(85%)
No exact OS matches for host (test
OS detection performed. Please report
http://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up)
```

Identifikacija
strežnikov
organizacije s
standardnimi
omrežnimi orodji...

```
whois slo-tech.com
Domain name: slo-tech.com
Administrative Contact:
  Slo-Tech
  Primoz Bratanic (primoz@slo-
+386.40*****)
  Fax:
  **** 24
  ***** , SI 1***
  SI
...
Name Servers:
  ns.datacenter.si
  ns.slo-tech.com
  ns1.triera.net
  ns2.amis.net
  ns2.datacenter.si
  ns3.amis.net
  sdns.voljatel.si
```

Creation date: 21 Apr 2000 09:24:03
Expiration date: 21 Apr 2017 09:24:00

```
dig kpk-rs.si MX
```

```
; <>> DiG 9.7.1-P2 <>> kpk-rs.si MX
;; global options: +cmd
;; Got answer:
;; ->HEADER<<- opcode: QUERY, status: NOERROR, id: 59356
;; flags: qr rd ra; QUERY: 1, ANSWER: 2, AUTHORITY: 2, ADDITIONAL: 0
;; QUESTION SECTION:
;kpk-rs.si.                               IN MX
;; ANSWER SECTION:
kpk-rs.si.                                35707 IN MX          10 mail2.gov.si.
kpk-rs.si.                                35707 IN MX          10 mail1.gov.si.
;; AUTHORITY SECTION:
kpk-rs.si.                                82536 IN NS           kanin.arnes.si.
kpk-rs.si.                                82536 IN NS           nanos.arnes.si.
;; Query time: 9 msec
;; SERVER: 193.2.1.66#53(193.2.1.66)
;; WHEN: Mon Nov 7 09:18:50 2011
;; MSG SIZE rcvd: 121
```

Gesla

Uporaba privzetih gesel

10.254.60.9: tiptel innovaphone 21-Mozilla Firefox

Datoteka Urejanje Pogled Zgodovina Zaznamki Orodja Pomoč

http://10.254.60.9/ unauthenticated

RtpDumpScript - The Wir... UCSniff IP Video Sniffer oxid.it - Cain & Abel 10.254.60.9: tiptel innova...

tiptel innovaphone 21
Gateway

Info

- Diagnostics
 - Info
 - Log
 - Trace
 - Config show
 - IP Interfaces
 - IP Routing
 - Ping
- Gateway
 - Config
 - Voice Interfaces
 - Calls
 - Call Counter
- Administration
 - Licenses
 - Config save (all)
 - Config save (config)
 - Config save (LDAP)

Version V5.01 sp3 IP21[06-5977], Bootcode[322], HW[109] 2048/8192

Serialno 00-90-33-04-1e-d9

Coder 2 channels

HDLC 0 channels

Sync source -

SNTP Server 0.0.0.0

LDAP Replication off

Localtime **.*.*.** :**

Uptime 43d 2h 43m 8s

Relay Licenses PBX Licenses

tiptel innovaphone 21
Gateway

Info

- Diagnostics
 - Info
 - Log
 - Trace
- Ping
- Gateway
 - Config
 - Voice Interfaces
 - Calls
 - Call Counter
- Administration

Avtentikacija

http://10.254.60.9 zahteva uporabniško ime in geslo. Stran sporoča: "IP21-04-1e-d9"

Uporabniško ime:

Geslo:

Prekliči V redu

Localltime **.*.*.** :**

Uptime 43d 2h 43m 8s

Uporaba privzetih gesel

Google: “Tiptel Innovaphone 21”

The screenshot shows a web browser window with the following content:

Article Details - Swyx: Unif... **X** **+**

To start configuration window:

- Click **Gateway Config**
(or 'Administration: Config edit' until firmware 4.00 rc1)
- Login using default user/password (admin/ip21)
- Choose **Config/IP Interfaces/Ethernet Interface**
- Set **DHCP Mode to Client**

A large orange arrow points from the configuration steps towards the right side of the screen.

	Infosmart	SOHO router		HTTP	admin	0
Innovaphone	IP20		Multi	admin	ipP20	
Innovaphone	IP3000		Multi	admin	ip3000	
Innovaphone	IP400		Multi	admin	ip400	
Integral Technologies	RemoteView	4	Console	Administrator	letmein	
Integrated Networks	IP Phone	IN1002	HTTP	Administrator	19750407	

Uporaba privzetih gesel

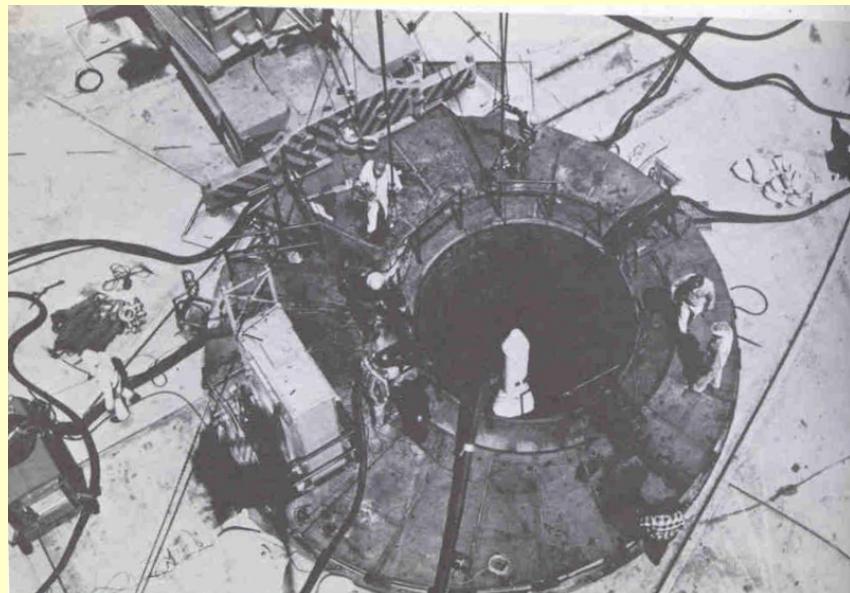
The screenshot shows three tabs in Mozilla Firefox, all connected to the IP address 10.254.60.9:

- Top Tab:** Shows the main configuration interface for the tiptel innovaphone 21. It displays the version V5.01 sp3 IP21[06-5977], Bootcode[322], HW[109] 2048/8192 and the gateway IP21-04-1e-d9. The left sidebar menu includes "Diagnostics" (Info, Log, Trace, Config show, IP Interfaces), "Gateway", and "IP Routing table".
- Middle Tab:** Shows the "Trace" diagnostic page, indicating "ok".
- Bottom Tab:** Shows the "IP Routing table" page, listing the following routes:

net addr	net mask	gateway	Interface	state
255.255.255.255	255.255.255.255	255.255.255.255	local	Up
10.254.60.9	255.255.255.255	0.0.0.0	local	Up
10.254.60.63	255.255.255.255	255.255.255.255	ETH0	Up
10.254.60.0	255.255.255.192	0.0.0.0	ETH0	Up
127.0.0.0	255.0.0.0	127.0.0.1	local	Up
224.0.0.0	224.0.0.0	224.0.0.0	ETH0	Up
default	out	10.254.60.1	ETH0	Up



В МУЗЕЕ ЯДЕРНОГО ОРУЖИЯ АРЗАМАСА-16



During the early to mid-1970s, during my stint as a Minuteman launch officer, they still had not been changed. Our launch checklist in fact instructed us, the firing crew, to double-check the locking panel in our underground launch bunker to ensure that no digits other than zero had been inadvertently dialed into the panel. SAC remained far less concerned about unauthorized launches than about the potential of these safeguards to interfere with the implementation of wartime launch orders. **And so the “secret unlock code” during the height of the nuclear crises of the Cold War remained constant at 00000000.**

Ustrezna uporaba gesel?

We hacked Dan's assets first through finding bugs and writing 0day, and then through abusing him giving away passwords and his silly password scheme. Check out just some of his passes:

fuck.hackers, 0hn0z (root account on his mail box), **fuck.omg**, **fuck.vps**, ohhai

Five character root password? Niiiiiiice.

From .mysql_history:

```
SET PASSWORD FOR 'root'@'localhost' = PASSWORD('fuck.mysql');
```

See the pattern?

Adding fuel to the fire (and hopefully flames to his talks!), Dan has a messy personal life involving him, his girlfriend, and other girls who he would love to get with. For once, we are mostly sparing the girlfriend. Who says chivalry is dead? But we'll still point out the dating torrents that Kaminsky downloads.

<https://sites.google.com/site/zeroforowned/dan-kaminsky-1>

From: Greg Hoglund <greg@hbgary.com> ISun, Feb 6, 2011 at 1:59 PM
To: jussi <jussij@gmail.com>

im in europe and need to ssh into the server. can you drop open up firewall and allow ssh through port 59022 or something vague?
and is our root password still 88j4bb3rw0cky88 or did we change to 88Scr3am3r88 ?
thanks

From: jussi jaakonaho <jussij@gmail.com> ISun, Feb 6, 2011 at 2:06 PM
To: Greg Hoglund <greg@hbgary.com>

hi, do you have public ip? or should i just drop fw?
and it is w0cky - tho no remote root access allowed

From: Greg Hoglund <greg@hbgary.com> ISun, Feb 6, 2011 at 2:08 PM
To: jussi jaakonaho <jussij@gmail.com>

no i dont have the public ip with me at the moment because im ready for a small meeting and im in a rush.
if anything just reset my password to changeme123 and give me public ip and ill ssh in and reset my pw.

From: jussi jaakonaho <jussij@gmail.com> ISun, Feb 6, 2011 at 2:10 PM
To: Greg Hoglund <greg@hbgary.com>

ok,
takes couple mins, i will mail you when ready. ssh runs on 47152

Napad na informacijsko-varnostno podjetje HBGary (podjetje je za ameriško vlado izvajalo "napade" proti skupini Anonymous).

...a little later:

```
bash-3.2# ssh hoglund@65.74.181.141 -p 47152
[unauthorized access prohibited]
hoglund@65.74.181.141's password:
[hoglund@www hoglund]$ unset
[hoglund@www hoglund]$ unset HIST
[hoglund@www hoglund]$ unset HISTFILE
[hoglund@www hoglund]$ unset HISTFILE
[hoglund@www hoglund]$ uname -a;hostname
Linux www.rootkit.com 2.4.21-40.ELsmp #1 SMP Wed
Mar 15 14:21:45 EST 2006 i686 i686 i386
GNU/Linux
www.rootkit.com
[hoglund@www hoglund]$ su -
Password:
[root@www root]# unset HIST
[root@www root]# unset HISTFILE
[root@www root]# uname -a;hostname;id
Linux www.rootkit.com 2.4.21-40.ELsmp #1 SMP Wed
Mar 15 14:21:45 EST 2006 i686 i686 i386
GNU/Linux
www.rootkit.com
uid=0(root) gid=0(root)
groups=0(root),1200(varmistasus)
```

Avtentikacija uporabnika po imenu?

Zadeva: Remote Download server ;)
Od: [REDACTED]
Datum: 09.07.2007 01:52
Za: matej.kovacic@gmail.com

Zivjo!

Takole, v Win 2000 si najprej naloži Remote Desktop Client.

Dobiš ga na:

<http://www.microsoft.com/downloads/details.aspx?FamilyID=80111f21>

Nato se z njim povežeš na [REDACTED]

user: [REDACTED]

LP, Darko

PERSPEKTIVA
BURJNO POSREDNIŠTVO
D.O.O., d.d.
HTC, Domžalska cesta 156
1000 Ljubljana, Slovenija
L: +386 (0)1 / 56 88 225
F: +386 (0)1 / 56 88 141

Stran: 1 / 1

PETROL D.D.
DUNAJSKA CESTA 50
1000 LJUBLJANA

ID št. za DDV kupca: [REDACTED]

RAČUN: [REDACTED]
V Ljubljani, [REDACTED] 2007
Datum odpošiljanja blaga oz. opravljanja storitev: [REDACTED] 2007
Datum zapadlosti: [REDACTED] 2007

Predmet: Pogodba o svetovanju pri izvedbi in izvedbi prevzema javne družbe, z dne: [REDACTED] 2007

Opis	Kolicina	EN	SI	Cena brez DDV	Znesek brez DDV
Na podlagi 8. člena pogodbe o svetovanju pri izvedbi in izvedbi prevzema javne družbe, z dne 19.09.2007, vam zaračunavamo:	1			60.000,00	60.000,00
- fikani del provizije za izvedbo prevzemnih opravil in za svetovanje					
- variabilni del provizije za svetovanje v višini 0,40 % od transakcijske vred. delnic, ki predstavljajo prvin 29,99% delnic, za katere so akceptirali sprejeti prev. pon.	1			683.760,00	683.760,00
- variabilni del provizije za svetovanje v višini 0,85 % od transakcijske vrednosti delnic , ki presegajo 30,00 % delnic za katere so akceptirali sprejeti prevzemo ponudbo	1			115.225,66	115.225,66
Vrednost brez DDV					858.985,66
1 - DDV - Časovna stopnja 20,0 %				Osnova:	171.797,13
				SKUPAJ €	1.030.782,79
				Znese v SIT	247.016.787,79

Prosimo vas, da fakturni znesek nakažete na TRR : SI66 0600 0011 8721 024 pri Banki Celje, d.d.

PRI PLAČILU SE SKLICUJTE NA [REDACTED]

PERSPEKTIVA
BURJNO POSREDNIŠTVO
D.O.O., d.d.

Član uprave:
Mladen Kaliterma

Priznava: [REDACTED]

Identifikacijski številki za DDV:
EUR01041276

Matinski številki:
EUR4104

Osnovni kapital:
EUR 344.000,00 EUR

Številke registrskega vložka:
1/2004/420

Dokument je izprtven po
članovem izdaji v Ljubljani

Primer sporočil prispelih na moj Gmail račun...

In West Memphis District Court yesterday, Tristian Wilson was set to appear on the docket for a bond hearing on the charges. When he did not appear, Judge William "Pal" Rainey inquired about his release and found that a jail staff member released Wilson by the authority of a fax sent to the jail late Saturday night.

According to Assistant Chief Mike Allen, **a fax was sent to the jail** which stated "*Upon decision between Judge Rainey and the West Memphis Police Department CID Division Tristian Wilson is to be released immediately on this date of October 30, 2004 with a waiver of all fines, bonds and settlements per Judge Rainey and Detective McDugle.*"

Neustrezna avtentikacija

Screenshot illustrating a session hijacking vulnerability in the e-RISK application.

The main window shows the application's header and a warning message from Firefox about session persistence:

Ali želite, da si Firefox zapomni geslo za uporabnika [REDACTED] na sigov.si?

The title bar indicates the user is logged in as Matej Kovačič / KOMISIJA ZA PREPREČEVANJE KORUPCIJE.

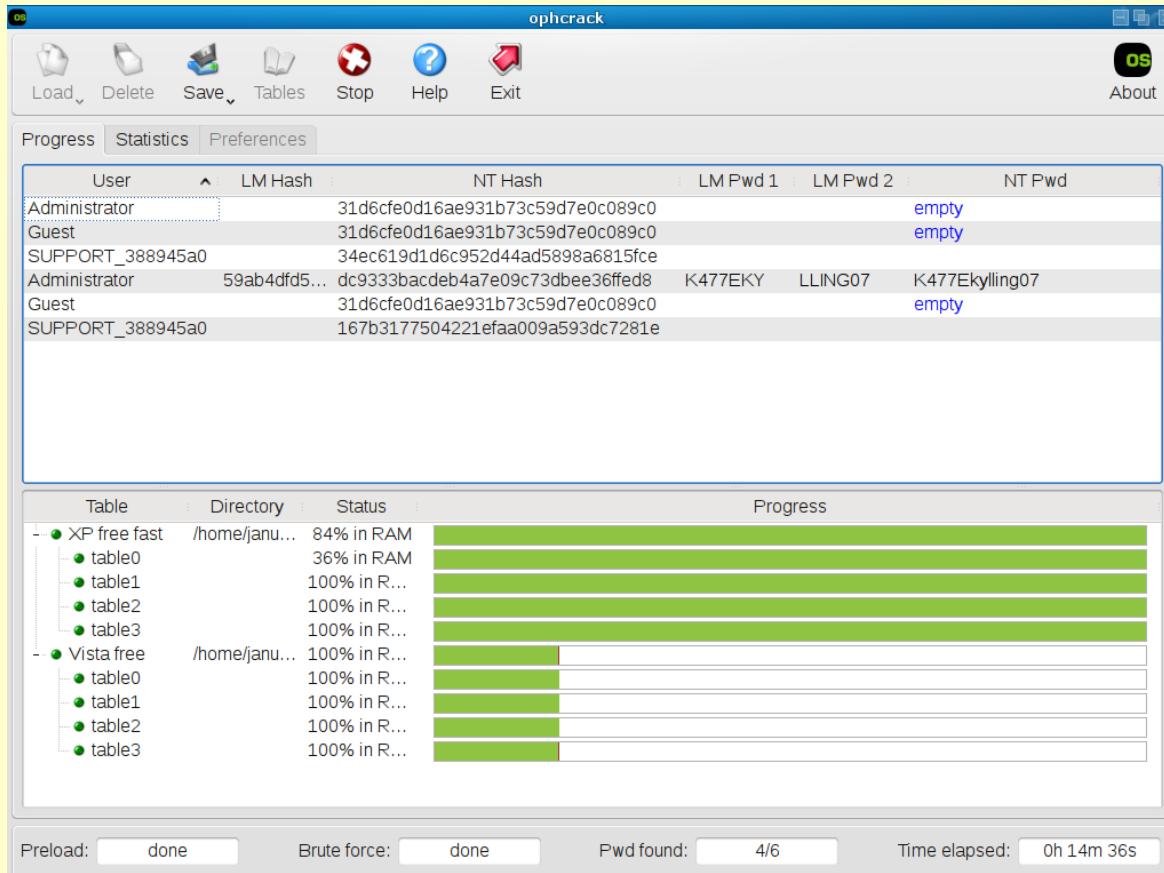
A red box highlights the "e-RISK DUNZ" logo in the header.

Three smaller windows show the session details:

- Podatki o strani - https://erisk.sigov.si/erisk/index.faces**: Shows session details for "sigov.si". A red box highlights the URL in the address bar.
- Podatki o strani - https://erisk.sigov.si/erisk/logoff**: Shows session details for "sigov.si". A red box highlights the URL in the address bar.
- Podatki o strani - https://erisk.sigov.si/erisk/logoff**: Shows session details for "sigov.si". A red box highlights the URL in the address bar.

Red arrows point from the top two "Podatki o strani" windows down to the bottom "Podatki o strani" window, indicating that the session information is being copied or reused.

Razbijanje gesel



- Napad s slovarjem: sezname besed ("wordliste").
- Mavrične tabele (MD5, LM, NTLM...).

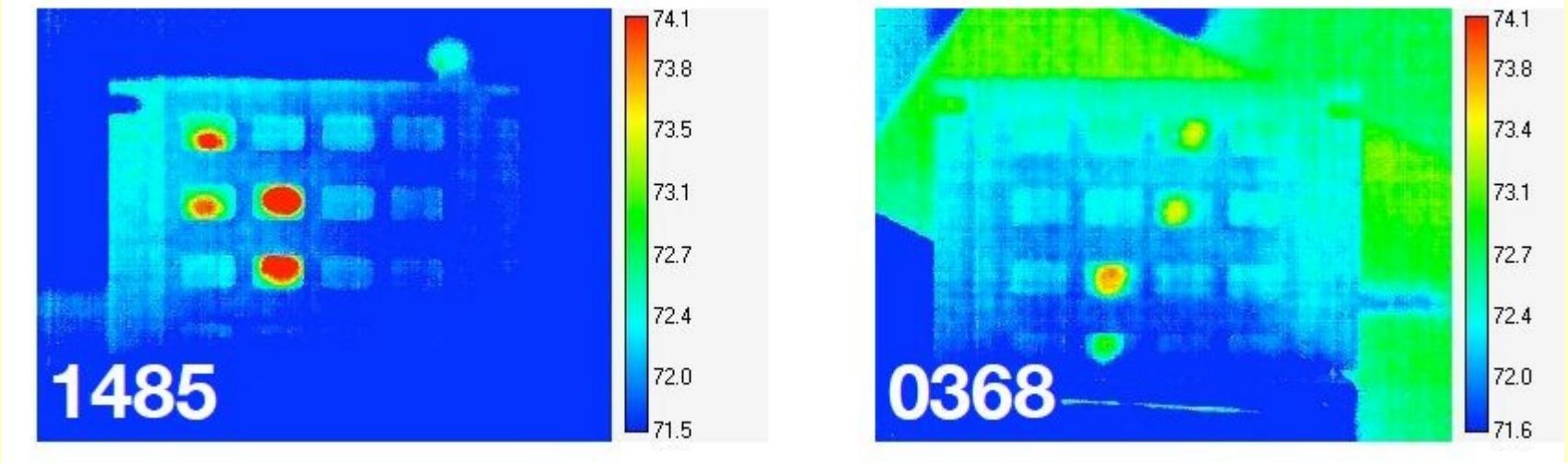


Napad z grobo silo je mogoč tudi v fizičnem svetu...
Vir in avtorstvo: <<http://www.kvogt.com/autodialer/>>



Vir: Schneier.com, <http://www.schneier.com/blog/archives/2009/07/information_lea_1.html>.

Pri 4-mestnem geslu je vseh možnih kombinacij 10.000. V zgornjem primeru je možnih kombinacij samo še 24. Levo geslo je najbolj verjetno 1986 ali 1968, desno pa 1234.



Keaton Mowery, Sarah Meiklejohn, Stefan Savage. 2011. Heat of the Moment: Characterizing the Efficacy of Thermal Camera-Based Attacks. <https://db.usenix.org/events/woot11/tech/final_files/Mowery.pdf>.

Raziskovalci so ugotovili, da je mogoče z infrardečo kamero beležiti temperaturo posameznih tipk. Pritisnjene tipke ob vnosu PIN-a so toplejše od neuporabljenih, tako da lahko na ta način 'preberemo' kodo tudi, če uporabnik številčnico zakrije z roko. Če posnetek preberejo takoj po vnosu številke, lahko z 80-odstotno natančnostjo povedo, katere tipke so bile pritisnjene, nato pa odstotek pada. Po minuti pade na polovico, po poldrugi minuti pa na 20 odstotkov, ker tipke oddajo toploto. Pri tem je podatke laže prebrati s plastičnih, saj toploto odvajajo počasneje od kovinskih.

Napadi na strojno opremo

Napad na krmilnik trdega diska, mrežne kartice,...

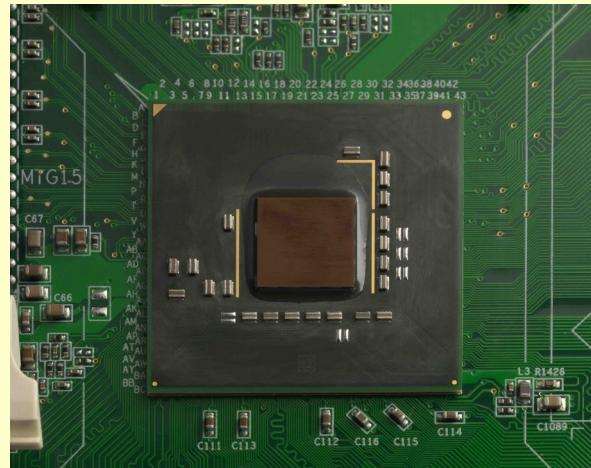
```
Default
archimede:~/nicssh$ nicssh -c 10.4.4.233
Connecting to 10.4.4.233
ICMP Echo Reply from OS - no nicfw
Goodbye!
archimede:~/nicssh$ nicssh -c8 10.4.4.234
Connecting to 10.4.4.234
ICMP Echo Reply from nicfw (Windows system)
Requesting tcp/80 with cloaking (-8)
nicssh> ?
help memory* sniff* send* reboot cleanup quit
nicssh> cleanup
Clean up requested - wiping GPU...
Received packet from NIC: nicssh wiped
Remote hardware is 00:12:79:94:a3:52
Remote loading standard firmware via UDP.....done
Connection with remote lost, nicfw wiped
Goodbye!
archimede:~/nicssh$ nicssh -ig 10.4.4.234
Connecting to 10.4.4.234
ICMP Echo Reply from OS - no nicfw
Installation requested: nicfw (-i), nicssh (-g)
Remote hardware on LAN is 00:12:79:94:a3:52
Remote loading nicfw via UDP.....done
Connection lost (expected) - please wait...
ICMP Echo Reply from nicfw (Windows system)
Requesting GPU from nicfw...nVidia
Remote loading nicssh via UDP.....done
Connecting to nicssh
nicssh> ?
help memory* sniff* send* reboot cleanup quit
nicssh> quit
Disconnecting from nicssh
Goodbye!
archimede:~/nicssh$ cd
archimede:~ []
```



```
ROXTerm
jeroen@spritesws:~$ telnet localhost 4444
Trying ::1...
Trying 127.0.0.1...
Connected to localhost.
Escape character is '^]'.
Open On-Chip Debugger
> halt
target state: halted
target halted in Thumb state due to debug-request, current mode
: Supervisor
cpsr: 0x000000f3 pc: 0x0000a3c6
MMU: disabled, D-Cache: disabled, I-Cache: disabled
> [load image hack/jump.bin 0x78 bin]
4 bytes written at address 0x00000078
downloaded 4 bytes in 0.006731s (0.580 KiB/s)
> [load image hack/hack.bin 0xffe30000 bin]
144 bytes written at address 0xffe30000
downloaded 144 bytes in 0.029191s (4.817 KiB/s)
> resume
> [redacted]
```

SMM korenski kompleti (Ring -2)

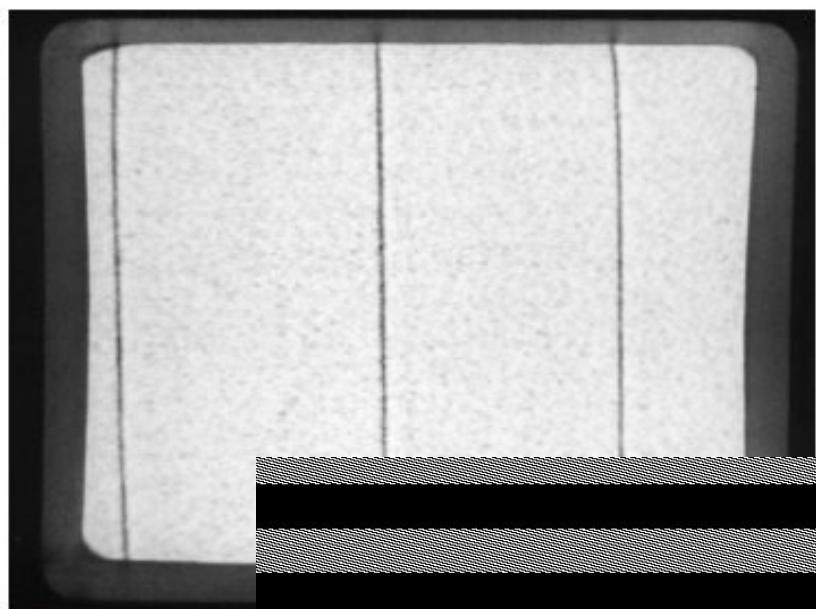
- Ring -2: System Management Mode (SMM) je najbolj privilegiran način delovanja procesorja na x86/x86_64 arhitekturah.
- Ring -3: napad na vPro/AMT čipe.



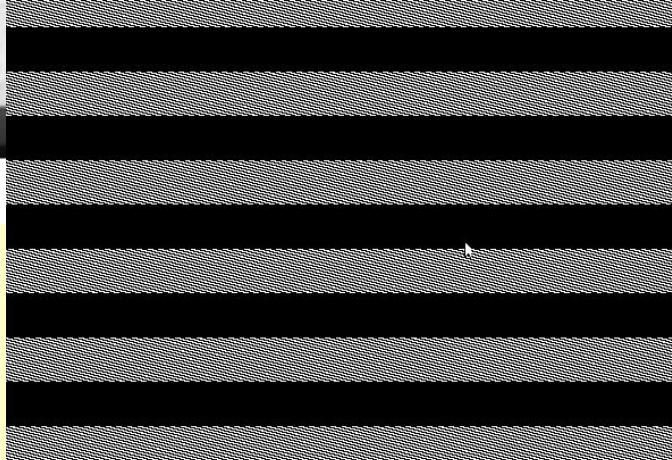
Slika Q35 čipa (MCH) v katerega so namestili korenski komplet. Več informacij: <<https://slo-tech.com/novice/t369218>>

- **Attacks on and Countermeasures for USB Hardware Token Devices,** <http://www.grandideastudio.com/files/security/tokens/usb_hardware_token.pdf>, 2000.
- **Hit by a Bus: Physical Access Attacks with Firewire,** <http://www.security-assessment.com/files/presentations/ab_firewire_rux2k6-final.pdf>, 2006.
- **Implementing and Detecting a PCI Rootkit,** <http://www.ngssoftware.com/research/papers/Implementing_And_Detecting_A_PCI_Rootkit.pdf>, 2006.

Tempest napad

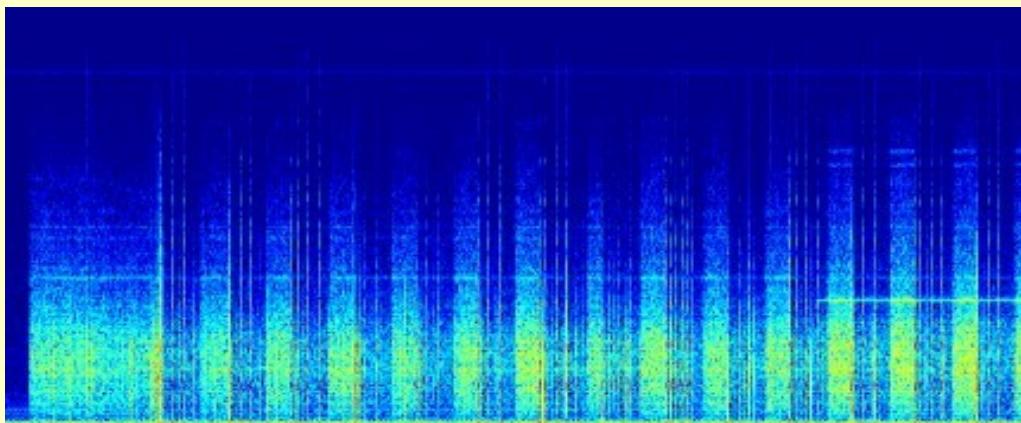


Vir: prosojnice Markusa G. Kuhna in Rossa J. Andersona "Soft Tempest: Hidden Data Transmission Using Electromagnetic Emanations"



Tempest napad

- Prestrezanje elektromagnetnih signalov kontrolerja trdega diska (tempest napad), za kar ni potreben fizičen ali mrežni stik z računalnikom.



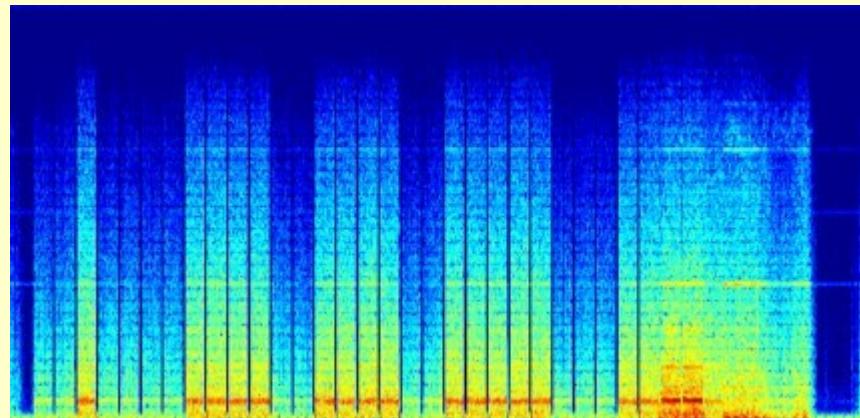
- Sonogram elektromagnetnih signalov ob pisanju na trdi disk. Avtor je na podlagi spremeljanja elektromagnetnih signalov lahko rekonstruiral kdaj se zapisujejo enke in kdaj ničle. Vir in avtorstvo: Oğuz Berke Durak, Hidden Data Transmission by Controlling Electromagnetic Emanations of Computers, <<http://abaababa.ouvaton.org/tempest/>>.

Tempest napad

Tempest napad na RAM

Poslano:

- 0010 0001 1110 0111 1001 1111 0001 1001



Sprejeto:

- 0010 0001 1110 0111 1001 1111 0001 1110

Vir in avtorstvo: Oğuz Berke Durak.

Tempest napad

- Tempest napad na volilne naprave na Nizozemskem, 2006



Vir in avtorstvo: Wels, Wessling, Gonggrijp in Németh, organizacija "We don't trust voting computers", <<http://www.wijvertrouwenstemcomputersniet.nl/English>>
Video na YouTube: <<http://www.youtube.com/watch?v=B05wPomCjEY>>.

General guidelines for security*

1. Do not assume anything. / Ne predpostavljam ničesar.
2. Trust no-one, nothing. / Nikomur, ničemur ne zaupaj.
3. Nothing is secure. / Nič ni varno.
4. Security is a trade-off with usability. / Večja varnost pomeni manjšo udobnost.
5. Paranoia is your friend. / Paranoja je tvoja prijateljica.

* **Splošne varnostne smernice**, iz priročnika orodja *Advanced Intrusion Detection Environment*, "The Aide manual" <<http://www.cs.tut.fi/~7Erammer/aide/manual.html>>.

Zaščita

Osnovna zaščita

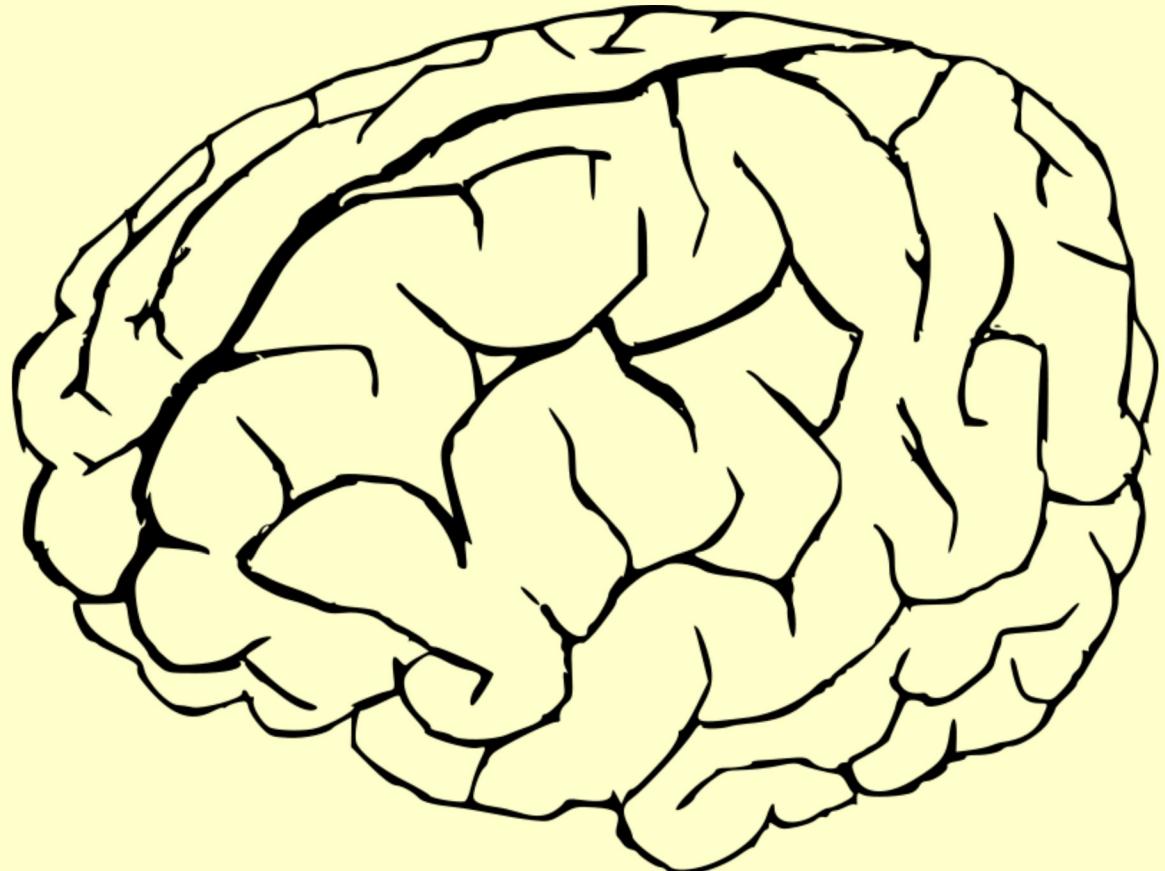
- **Nekatere tehnike osnovne zaščite računalniških sistemov:**
 - uporaba ustreznih gesel;
 - pazljivost pri večuporabniških sistemih;
 - redno posodobljen sistem;
 - požarni zid;
 - uporaba protivirusnih in protismetnih (antispyware) programov;
 - ustrezna varnostna kultura;
 - fizična varnost;
 - ...

Naprednejša zaščita

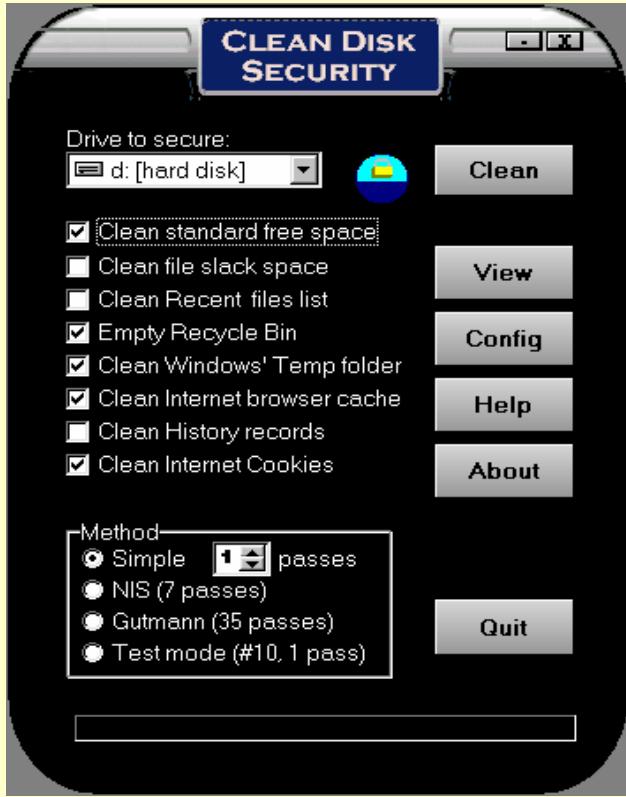
- **Nekatere tehnike naprednejše zaščite:**
 - varno brisanje podatkov;
 - šifriranje:
 - šifriranje razdelkov trdih diskov kjer so shranjeni občutljivi podatki (tudi začasnega "swap" pomnilnika);
 - šifriranje elektronske pošte;
 - anonimizacija uporabe interneta (preprečimo analizo prometnih podatkov):
 - "remailerji";
 - anonimizacijska omrežja.

Še bolj napredna zaščita

- Nekaj znanja, **doslednosti** in zdrava pamet. ;-)



Trajno brisanje podatkov



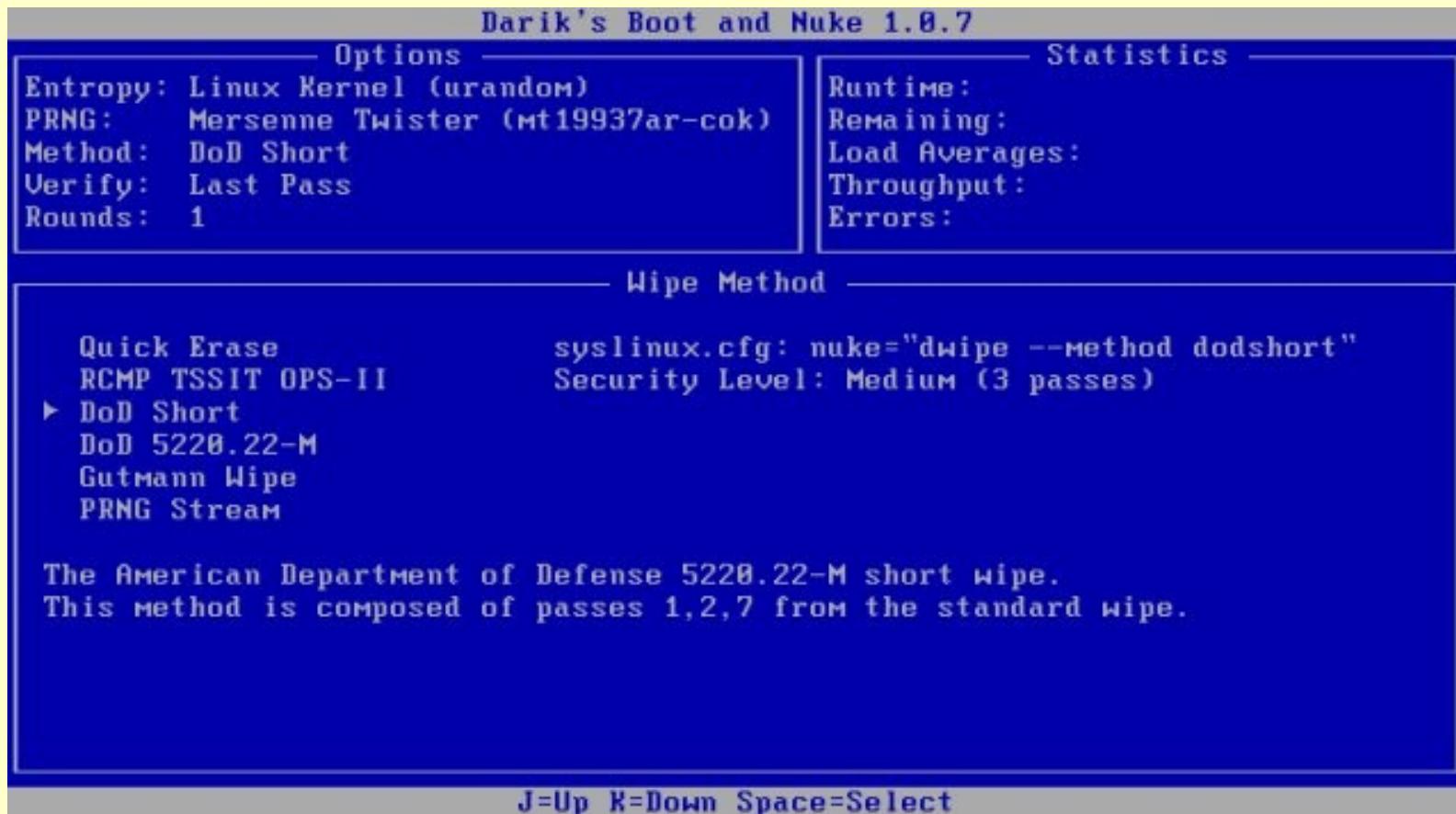
Section 3. Controls and Maintenance

8-300. Physical Security.

- a. Physical security safeguards shall be established that prevent or detect unauthorized access to accredited system entry points and unauthorized modification of the AIS hardware and software. Hardware integrity of the AIS, including remote equipment, shall be maintained at all times, even when the AIS is not processing or storing classified information.
- b. Attended classified processing shall take place in an area, normally a Restricted Area, where authorized persons can exercise constant surveillance and control of the AIS. All unescorted personnel to the area must have a government granted PCL and controls must be in place to restrict visual and aural access to classified information.
- c. When the AIS is processing classified information unattended, or when classified information remains on an unattended AIS, a Closed Area is required.
- d. When the AIS is not in use, all classified information has been removed and properly secured, and the AIS has been downgraded, continuous physical protection, to prevent or detect unauthorized modification of the AIS hardware and software, shall be implemented through one or more of the following methods:
 - (1) Continuous supervision by authorized personnel.
 - (2) Use of approved cabinets, enclosures, seals, locks or Closed Areas.
 - (3) Use of area controls that prevent or detect tam.
- e. The contractor shall validate the functionality of security-related software (e.g., access control, auditing, purge, etc.) before the AIS is accredited. The software shall be revalidated when changed.
- f. Use of software of unknown or suspect origin is strongly discouraged.

Varno brisanje s Clean Disk Security (pri dnevniških datotečnih sistemih je neučinkovito!) ter ameriški vojaški priročnik *National Industrial Security Program Operating Manual* (NISPOM 1995), poglavje 8, sekcija 3 (Controls and Maintenance), ki predpisuje varno brisanje podatkov.

Trajno brisanje podatkov

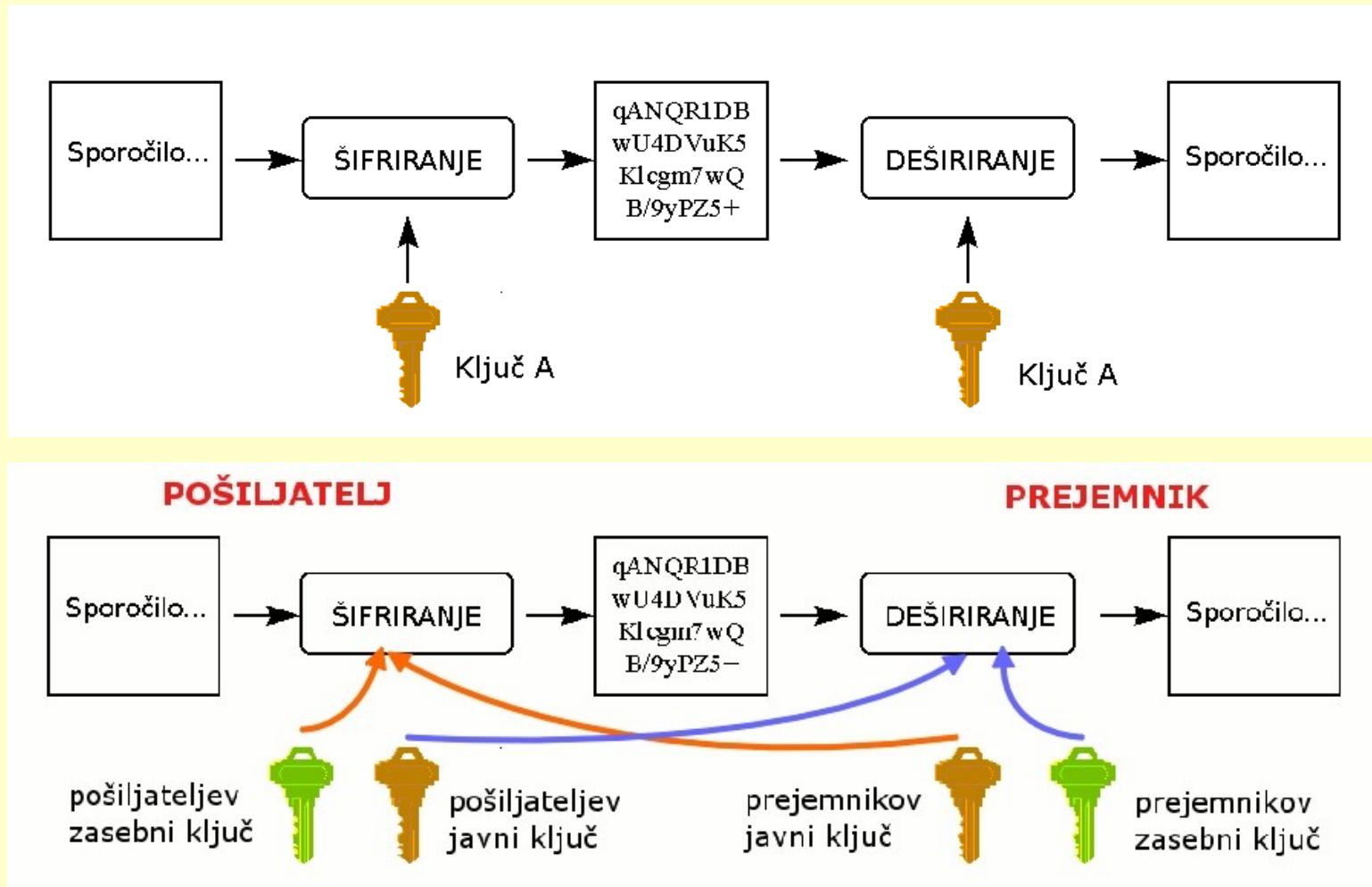


DBAN - Darik's Boot and Nuke, orodje namenjeno uničevanju vsebine trdih diskov. Zažene se iz zagonske diskete. <<http://dban.sourceforge.net/>>. Vir in avtorstvo: dokumentacija programa.

Kriptografija

- Pri varovanju podatkov uporabljamo simetrične, asimetrične in zgostitvene algoritme.
- **Simetrični algoritmi** ali algoritmi z zasebnim ključem: imamo samo en ključ, s katerim zašifriramo in dešifriramo sporočilo. Običajno so ti algoritmi hitri, težko pa je varno izmenjati ključ. Problem predstavlja tudi število ključev - vsak uporabnik mora imeti za vsakega dopisovalca svoj ključ.
- **Asimetrični algoritmi** ali algoritmi z javnim ključem: uporabnik ima dva ključa, enega objavi, drugi ostane tajen. Vsi, ki mu hočejo poslati sporočilo, bodo uporabili njegov javni ključ za šifriranje sporočila. Dešifriral pa ga bo lahko le on sam s svojim tajnim ključem in javnim ključem pošiljatelja. Te metode so računsko bolj zahtevne in zato počasnejše kot simetrične.
- **Zgostitveni algoritmi** poljubno dolg tekst preslikajo v število fiksne dolžine, kar je uporabno za digitalni podpis. Najbolj znana algoritma sta MD5 in SHA.

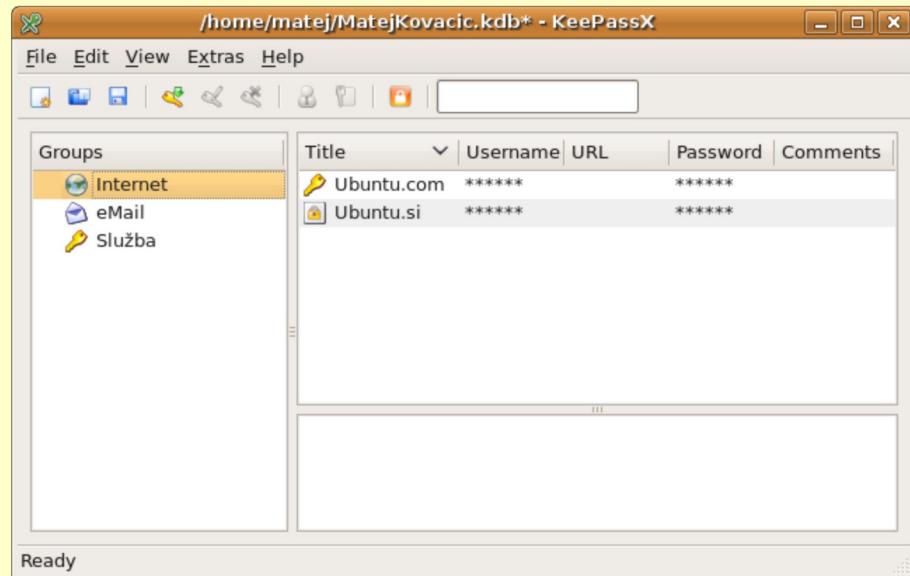
Kriptografija



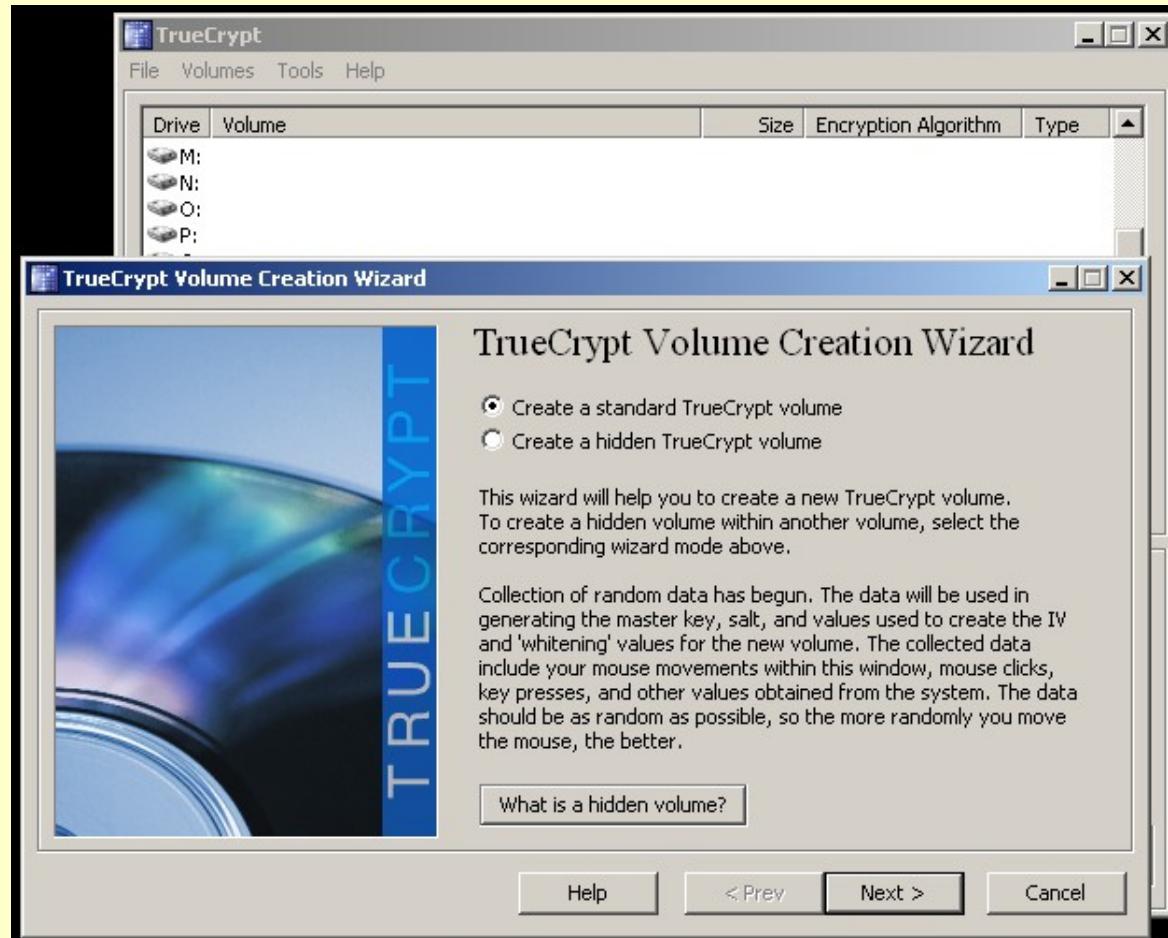
Shematski prikaz simetrične kriptografije in kriptografije z javnimi ključi.

Shrambe gesel/ključev

- Šifrirni ključi so lahko shranjeni:
 - kot kontrolna vsota (npr. SAM/SYSKEY, možno razbijanje!),
 - v posebnem programu (npr. KeePassX, vgrajena programska varnostna naprava v *Firefoxu*, itd.),
 - v kontejnerju,
 - v strojnih žetonih.



Šifriranje nosilcev podatkov



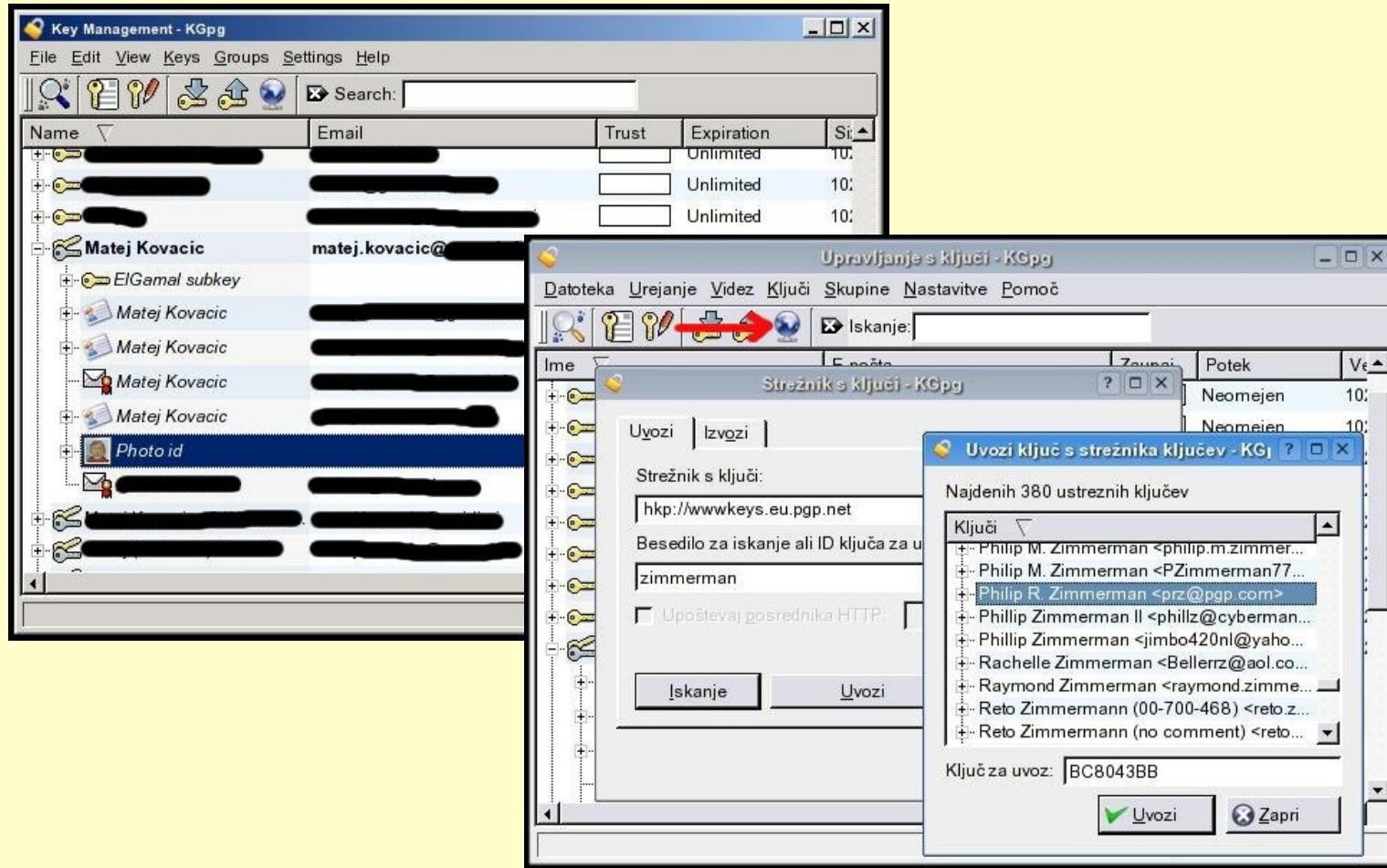
Šifriranje (navideznih) diskovnih particij s programom *TrueCrypt*. Program omogoča tudi skrite šifrirane particije.

Šifrirni kontejner v LUKS formatu



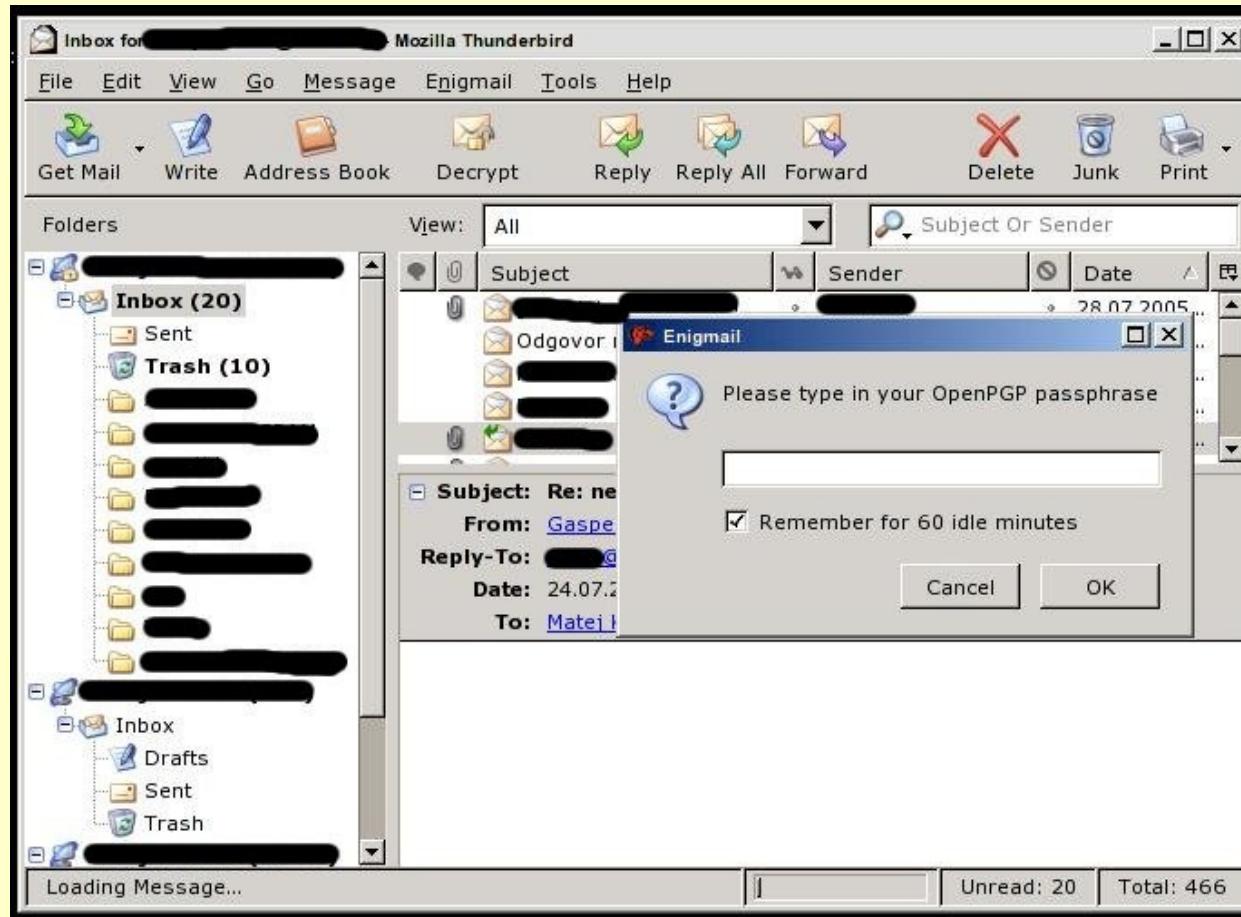
Omogoča tudi
menjavo gesel:
• dodamo novo
geslo
• odstranimo
starega.

Šifriranje e-pošte



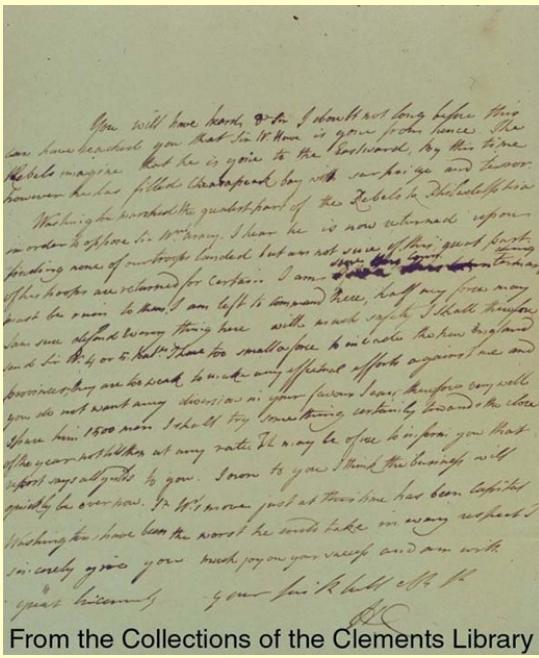
Šifrirni program *GPG (GNU Privacy Guard)* - upravljanje s šifrirnimi ključi v okolju Linux.

Šifriranje e-pošte

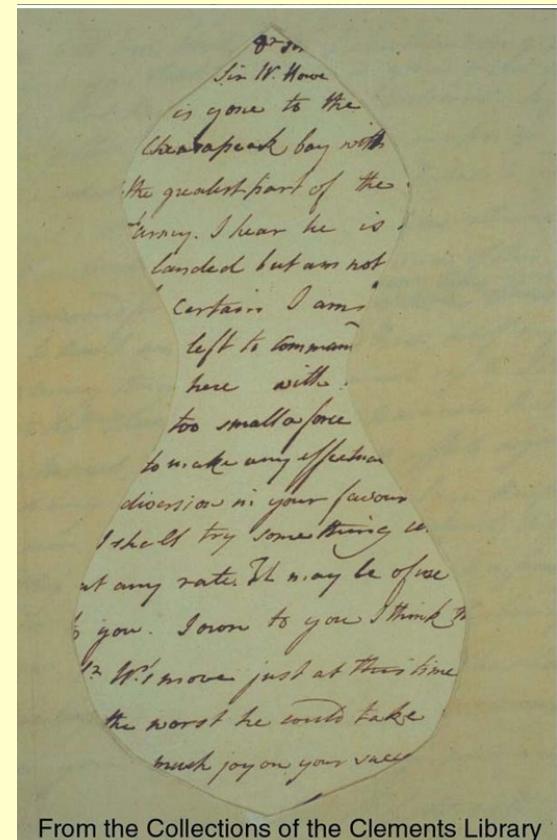
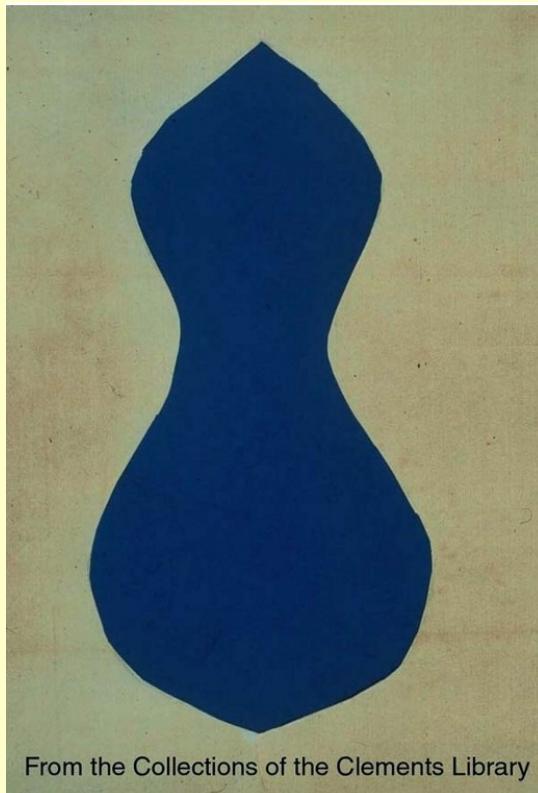


Šifriranje elektronske pošte v odprtokodnem odjemalcu elektronske pošte Mozilla Thunderbird z dodatkom *Enigmail*.

Skrivanje podatkov



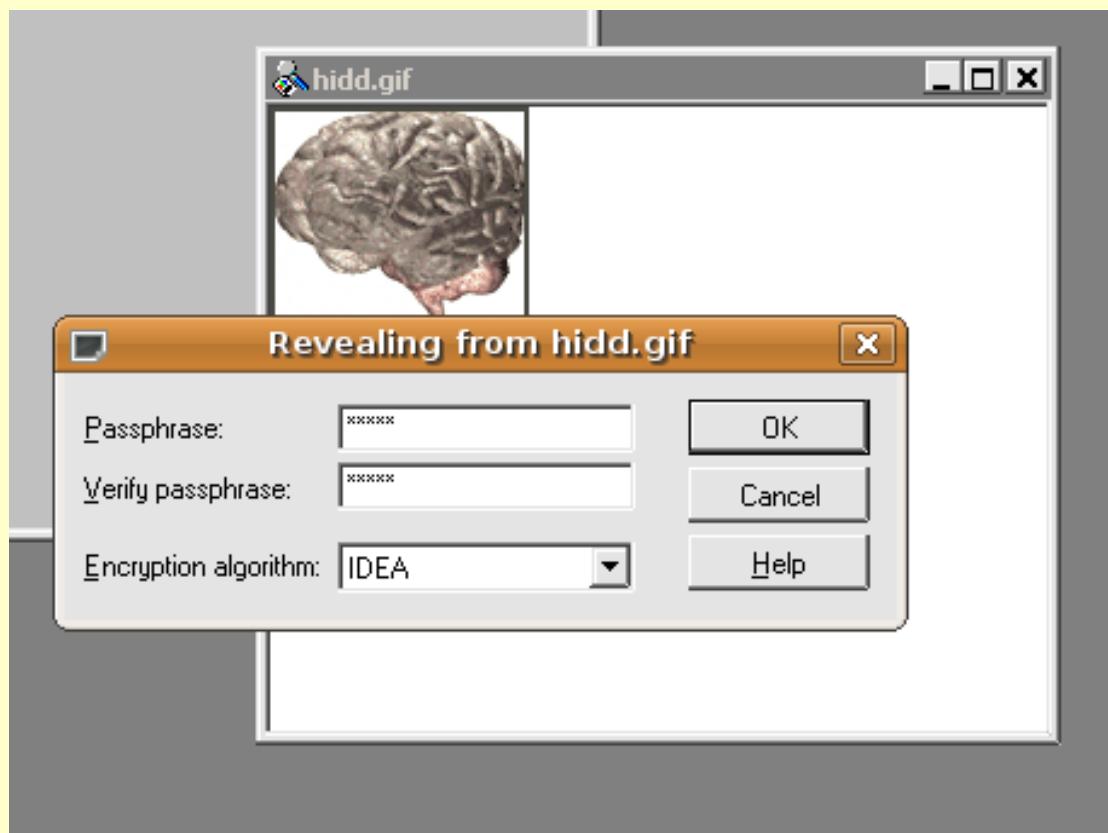
From the Collections of the Clements Library



From the Collections of the Clements Library

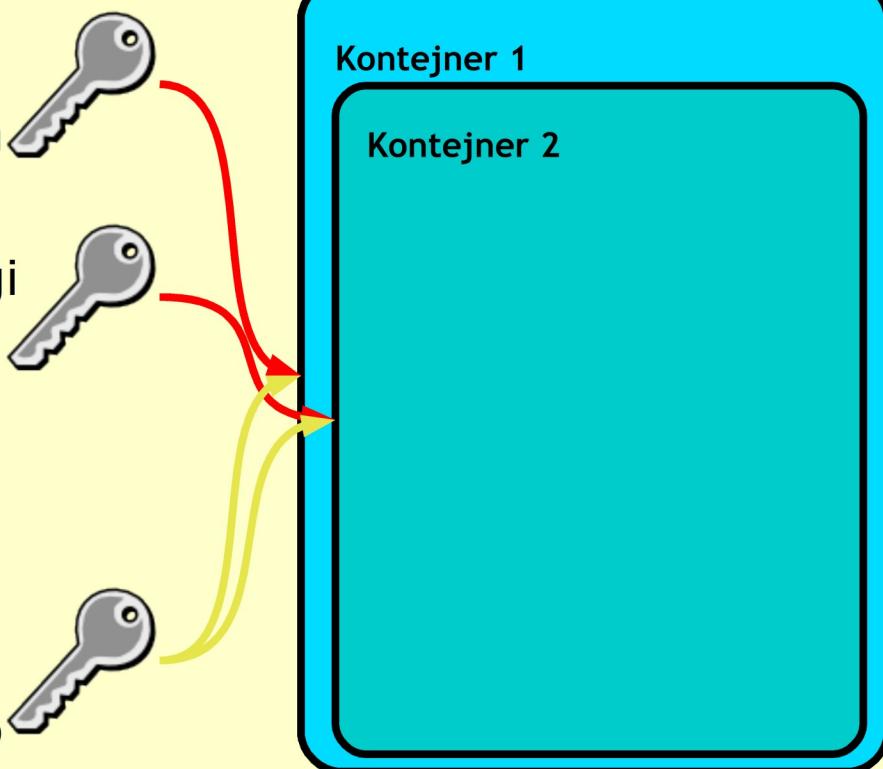
Maskirano pismo: 10. avgust 1777, Henry Clinton -> John Burgoyne.
<http://www.si.umich.edu/spies/letter-1777august10-1.html>

S-Tools

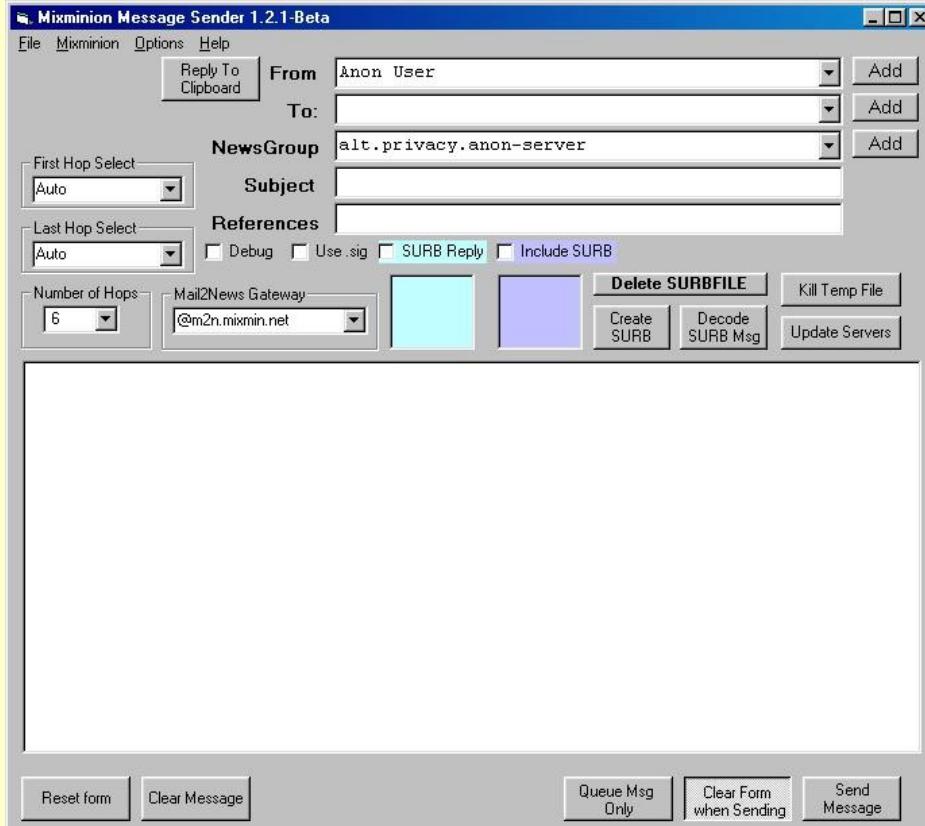


Skrivanje podatkov v gnezdene šifrirne kontejnerje (verodostojno zanikanje)

- **Prvi ključ** odklene prvi kontejner. Podatki se lahko zapisujejo v celoten kontejner, tudi v skritega.
- **Drugi ključ** odklene drugi kontejner, ki ne dovoli pisanja podatkov v nadrejeni, prvi kontejner.
- **Tretji ključ** odklene prvi in drugi kontejner: v prvi kontejner lahko zapisujemo, vendar ne po območju kjer se nahaja skriti drugi kontejner.



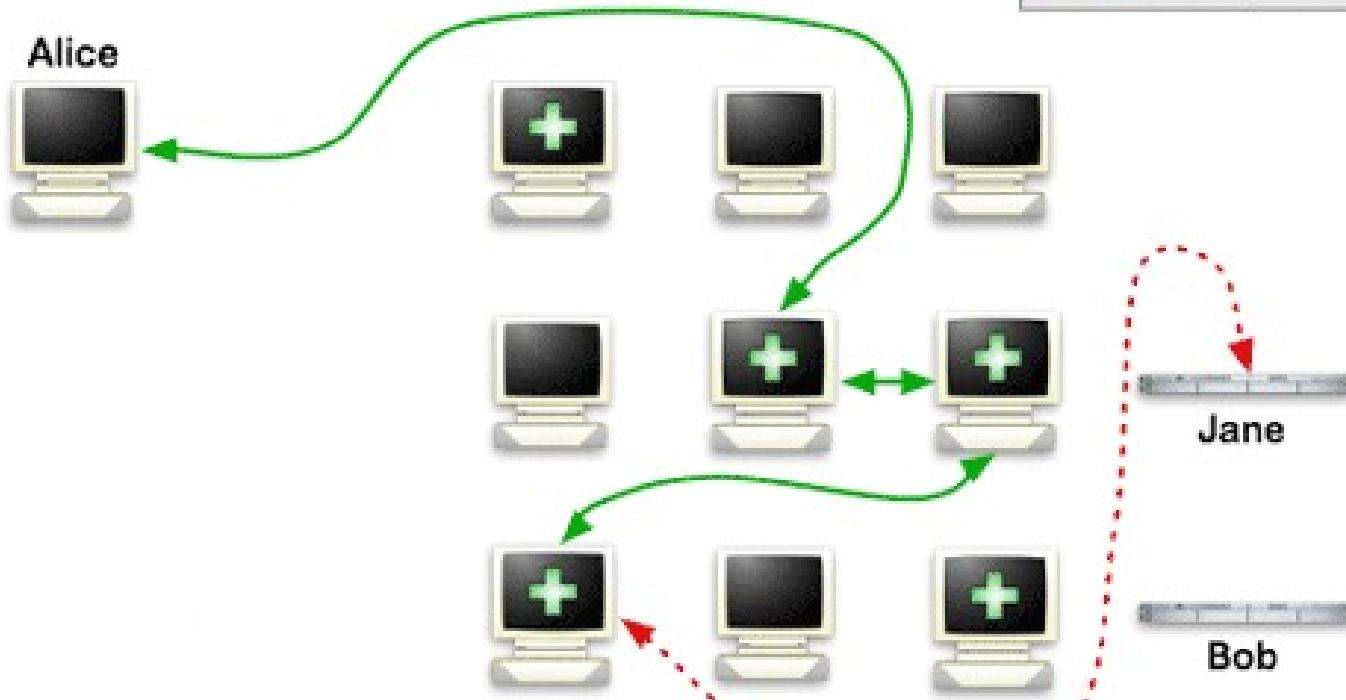
Anonimno pošiljanje e-pošte



Pošiljanje elektronske pošte preko s pomočjo "remailer-ja" *Mixminion*. Uporaba programa omogoča tudi anonimno odgovarjanje na anonimna sporočila. Sporočila potujejo čez več anonimizacijskih strežnikov (tim. *mixi*) v šifrirani obliki.

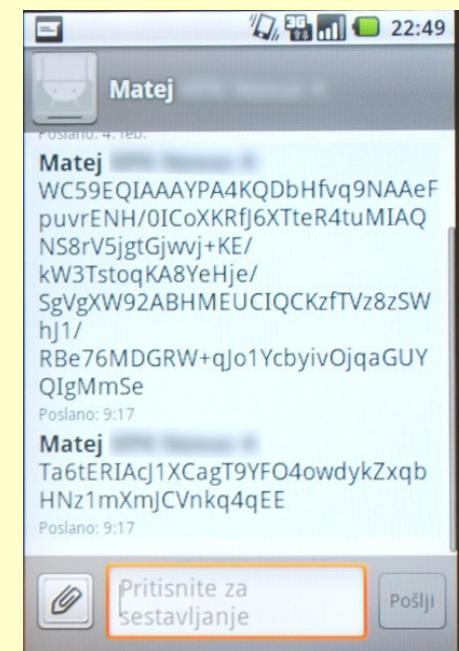
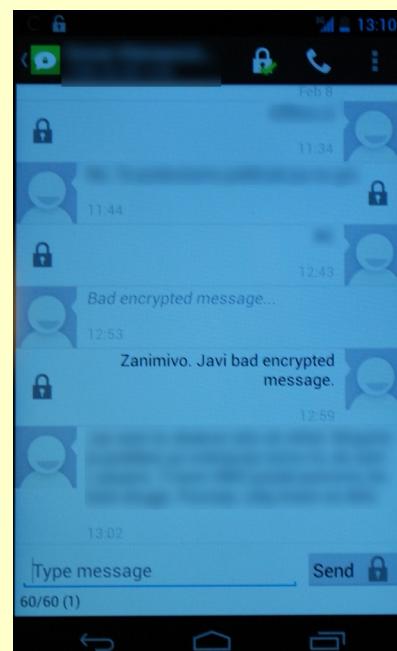
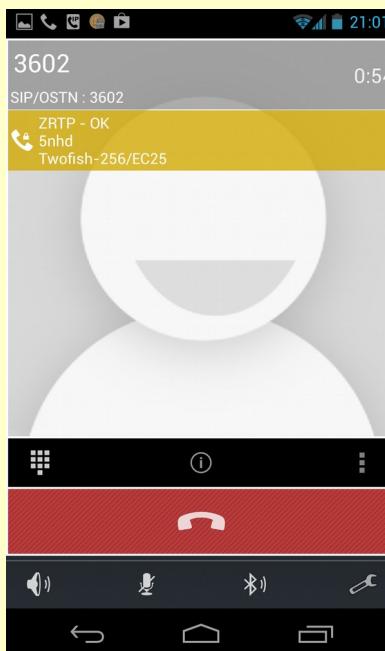
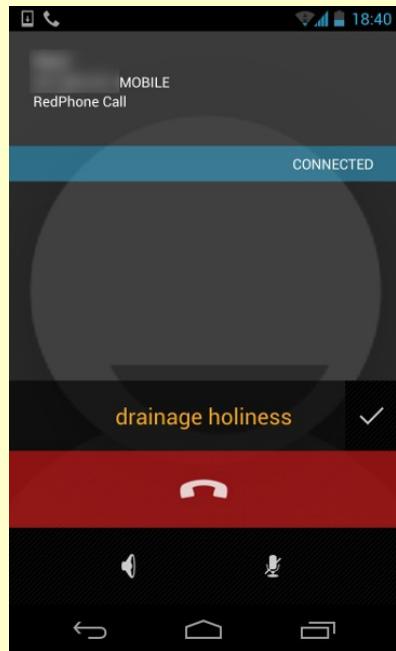
Anonimizacijsko omrežje Tor

Shema omrežja Tor



Prikaz delovanja anonimizacijskega omrežja *Tor*.

Varnost mobilne telefonije





Vprašanja?