



CYBER SKIRMISHES

By
Zubair Khan

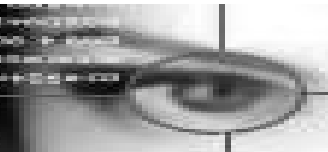




Introducing Cyber Warfare

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Cyber Targets

- Military Networks
- Government Systems and Websites
- Ecommerce and Financial Institutes
- Telecommunication Companies
- Others



History

- 28th September 2000 – Israeli teenage hackers attacked Hezbollah and Hamas websites in Lebanon.
- Call for Cyber Jihad from Palestine





The Middle East Cyber War

- Elite Hackers around 100
- How Elite Hackers work?
- Volunteers around 1200
- How Volunteers work?





Targets in Middle East Conflict

- Pro-Israeli Attacks
 - Extremist Websites
 - Government Websites
- Pro-Palestinian Attacks
 - Israeli official Websites
 - Media, technology, financial and telecommunication corporations



Middle East Cyber War- A Global Cyber War





Israeli Hackers

- Mossad
- Wizek
- Israel Hackers Unite
- Israeli Internet Underground
- Small Mistake
- Analyzer
- ViRii





Targets of Israeli Hackers

- Government Systems
- Palestinian National Authority
- HAMAS
- Hizballah
- VISA



Hacked by m0sad to spread Global Awareness - Mozilla Firefox


File Edit View Go Bookmarks Tools Help

http://pakcert.org/defaced/www.sysnet.com.pk.html

Stumble! All I like it! Not-for-me ... Menu

SURVIVAL... Not Racism!

© 2000

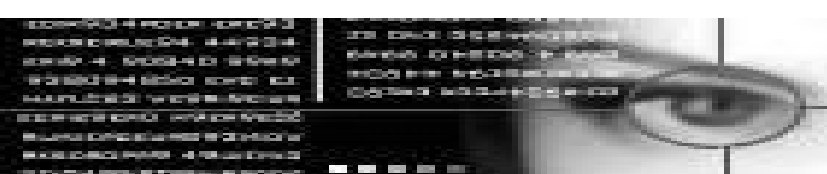


Thanks to all the sites that are hosting our defaces.

REMEMBER, We are not against Islam, we are against Islamic extremism and Arab propaganda!
For comments send E-mail to m0sad@hotmail.com

Done

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Counter Attack

- Pro-Palestinians hacked more than 50 websites.
- Paralyzed Israel's email system for days many times
- Israel's e-commerce websites





Israel: Cyber Target

- Extensive targets
- Israel losing the cyber war
- Hackers of all Arab countries combined

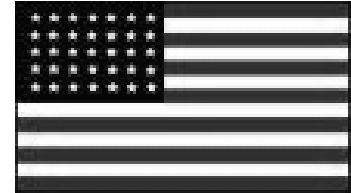




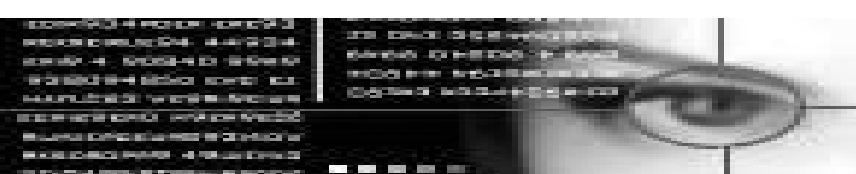
Pro-Palestinian Hackers

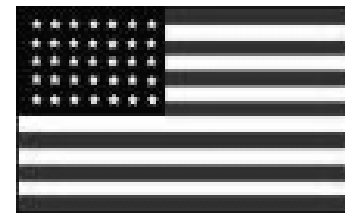
- G-Force Pakistan
- Dr. Nuker
- Pakistani Hackerz Club
- Arab Hackers
- Xegypt
- Arab Hax0rs
- Al-Muhajiroun





Cyber Battleground of Iran And USA





Cyber Battleground of China, Cuba And USA





How Cuba is better than USA in Cyber Warfare?





Bejucal Base

- 1100 engineers, computer scientists, technicians, staff
- Three groups of antennas/satellites.
 - General USA telecommunications
 - Pre Designated phones and computers
 - Voice recognition capacity
 - Ability to interfere USA computer networks



Chinese in Cuba

- Mutual Understanding
- Trade Cooperation
- Financial Support
- Strategic Location



History

- First cyber attack: May 1998
- Reason: Pokhran 2 Nuclear Tests
- Target: Bhabha Atomic Research Centre, India
- Responsible Group: Milworm
- Disclosure of sensitive mails regarding nuclear tests
- Website Defaced



Major Targets of Pakistani Hackers

- Gujrat Government
- Ministry of External Affairs
- India Gandhi Centre for Atomic Research
- India Online Bazaar
- Indian National IT Promotion
- India Today
- Nuclear Science Centre
- Telecommunication companies

Stats of Indian Defacements

- Total number of defacements recorded – 780
- co.in - 115 defacements - 14.74%
- gov.in - 29 defacements - 3.72%
- net.in - 23 defacements - 2.95%
- org.in - 15 defacements - 1.92%
- nic.in - 45 defacements - 5.77%
- ac.in - 33 defacements - 4.23%
- ernet.in - 56 defacements - 7.18%
- res.in - 20 defacements - 2.56%
- .com - 398 defacements - 51.03%
- .net - 18 defacements - 2.31%
- .org - 25 defacements - 3.21%
- .edu - 2 defacements - 0.26%



Firefox browser window showing a hacked website. The address bar contains: `http://www.attrition.org/mirror/attrition/2000/08/26/gujarat.gov.in/`

Page content:

Yeh Under Kee Baath Hai
GFORCE
PAKISTAN

[what's going on]

Gujrat Database and Webserver (India) Hacked by GForce

```
rm -rf /planet/world/earth/india  
echo "The world is a better place now!"
```

Done

Gujrat Government Website





Firefox browser window showing the address bar with the URL: <http://www.attrition.org/mirror/attrition/2001/01/02/igcar.ernet.in/>


GForce Pakistan

sniper + heataz + RSnake + instinct + rave + amnesiac

heh finally
 India's Atomic Power's secrets are not secrets anymore...
 thanks for sharing such valuable information with us you indians..
 oops did we say sharing ? *heh*
 rest assured but you have been *owned* long time back

die bitch , we'll blow you up!

Our Previous Works : [chivoc](#) [in](#)



greetz
 Hackweiser , rsh , crimeboys , knOwledge , prime suspectz , m0r0n&nightman , WFD
 EdgE , kngstr0ke , axess , mR_ice , cen , cnz , RR , krimie , justagurl , miran
 DoctorNuker , kidjess , sysop , attic , jades , zolo , phc , root66 , qulver , t0rpedo , dayzee , aekpani
 forpaxe , mosthated , cruciphux , KILLER1 , Earizer , sugaking , lypox , xessor

India Gandhi Centre for Atomic Research

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Top 5 Pakistani Attackers

- **AIC** - 166 defacements - 21.28%
- **GForce Pakistan** - 116 defacements - 14.87%
- **Silver Lords** - 101 defacements - 12.95%
- **WFD** - 59 defacements - 7.56%
- **ISOTK** - 17 defacements - 2.18%



Formation of Pakistani Hacker Groups and their Strategies

- GForce Pakistan
- Silver Lords
- Pakistan Hacker Club

Cricket and Indian Hacking





What FBI hates more than Osama Bin Laden?

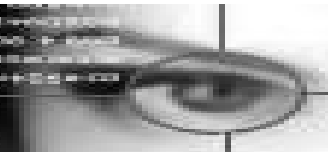





Art by Mike Werner

... ..


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Capabilities and interests of Al Qaeda

- Training Process
 - Khalid Sheikh Mohammed
 - PhD Cyber Security
- Reconnaissance of critical infrastructures
- Communications and Cryptography techniques
- Cyber Propaganda
- Call for Jihad
- How Bin Laden is better than NSA in Tech



Capabilities and interests of Al Qaeda

- Big Damage.....less investment
- High Anonymity



Al Qaeda's Cryptography

- Cryptography Techniques and methods used
- Example



What makes Cyber War as important as Nuclear War for USA?





Future of Al Qaeda's Cyber Warfare





Can hacking cause real war?

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ECHELON/Project 415

Global network of computers that automatically search through millions of intercepted messages for pre-programmed keywords or fax, telex and e-mail addresses.



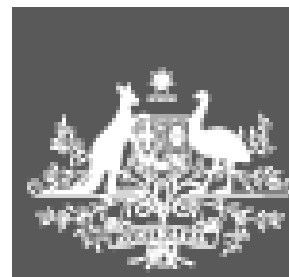


ECHELON

- ECHELON Dictionaries
- ECHELON Working
- UKUSA System

Agencies in UKUSA System

- National Security Agency (NSA)
- Government Communications Headquarters, UK (GCHQ)
- Defence Signals Directorate, Australia (DSD)



Agencies in UKUSA System

- Government Communications Security Bureau, New Zealand (GCSB)
- Communication Security Establishment, Canada (CSE)





Revolution in Military Affairs And C4i

- Psychological Operations
- Military Deception
- Operations Security
- Computer Network Operations
- Electronic Warfare



The Abu Ghraib Prison Photos



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Example of Powerful Cyber Propaganda

The propagation of Abu Ghraib photos on internet did a severe damage to political interests of American Government.



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QUESTIONS?

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