

the adventures of bob

Intelligence Based Cyber Defense

Speaker: Richard Zhao

PhD, CISSP

Chief Strategy Officer, NSFOCUS, ichard.zhao@nsfocus.com
Board Director, Cloud Security Alliance Greater China

Coordination Body



Agenda

I. DDoS and APT Incidents

II. Security Intelligence System

III. Next Generation Security

IV. Intelligence Based Cyber Defense

OPERATION MALAYSIA



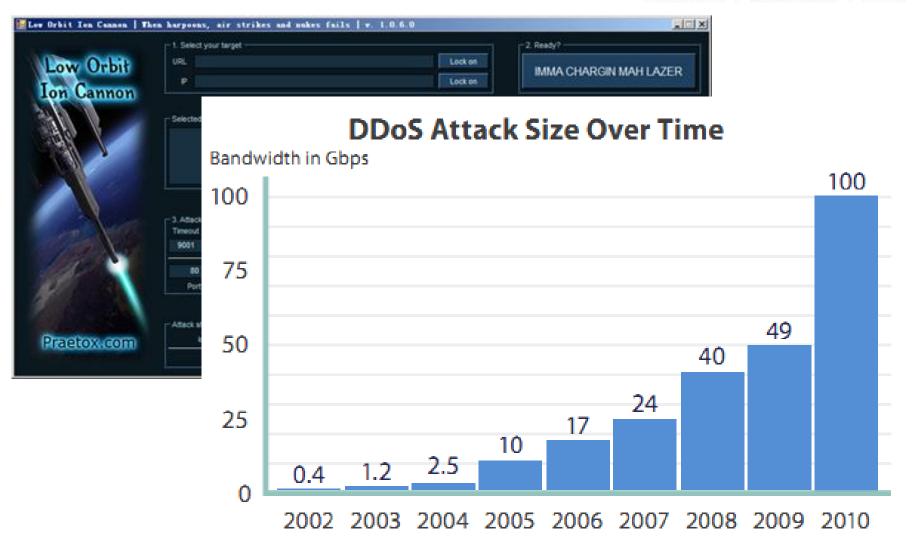


Malaysia Official Government Website [link] - [Down]

- SabahTourism.com [link] [Hacked][Leaked]
- CIDB [link] [Hacked] [Up]
- Land Public Transport Commission [link] [Suspected]
- Malaysian Meteorological Service [link] [Down]
- ASEANconnect [link] [Suspected]
- Hollywood-Artist.info [link] [Suspected]
- Ministry of Education [link] [Down]
- Suruhanjaya Pilihanraya Malaysia [link] [Down]
- Bomba [link][Down]
- TMNet [link] [Down]
- Perbendaharaan Malaysia [link] [Down]
- Kementerian Kerja Raya Malaysia [link] [Down]
- Parlimen Malaysia [link] [Down]
- JobsMalaysia [link] [Down]
- Kementerian Penerangan, Komunikasi dan Kebudayaan [link]
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DDoS Attacks Strands Traditional Firewall/IPS





Cyber Attacks to Sony PlayStation Network CHINA WORLD HOTEL | BEIJING





#opsony

Congratulations, Sony.

You have now received the undivided attention of Anonymous. Your recent legal action against our fellow hackers, GeoHot and Graf_Chokolo, has not only alarmed us, it has been deemed wholly unforgivable.

You have abused the judicial system in an attempt to censor information on how your products work. You have victimized your own customers merely for possessing and sharing information, and continue to target every person who seeks this information. In doing so you have violated the privacy of thousands. This is the information they were willing to teach to the world for free. The very same information you wish to suppress for sake of corporate greed and complete control of the users.

Now you will experience the wrath of Anonymous. You saw a hornets nest, and stuck your penises in it. You must face the consequences of your actions, Anonymous style.

Knowledge is Free. We are Anonymous. We are Legion. We do not Forgive. We do not forget.

Expect us.

irc.anonops.ru:6667

http://irc.lc/anonops/opsony

Cyber Attacks to Sony PlayStation NOVEMBER 2-3 | CHINA WORLD HOTEL | BEIJING

[user12] if sony is watching this channel they should know that running an older version of a pache on a redhat server with known vulnerabilities is not wise, especially when that server freely reports its version and its the auth server.

[user2] its not old version, they just didnt update the banner

[user12] I consider apache 2.2.15 old+

[user2] which server+

[user12] it also has known vulnerabilities:

[user12] auth.np.ac.playstation.net+

[user2] ya the displayed version u see via banner is not the real version:

[user12] unless they updated it in the last couple weeks+

[user12] I doubt that since its not trivial to change that:

[user12] its a bit more invasive than just setting it to Prod like they do on their other servers

[user11] you know, watching this conversation makes me think about whether it was a good idea after all to buy a couple of games from psn using a visa card.

[user2] its just backported security patches+

[user11] i did remove all my info after downloading the games though.

[user12] that is just psn not the store:

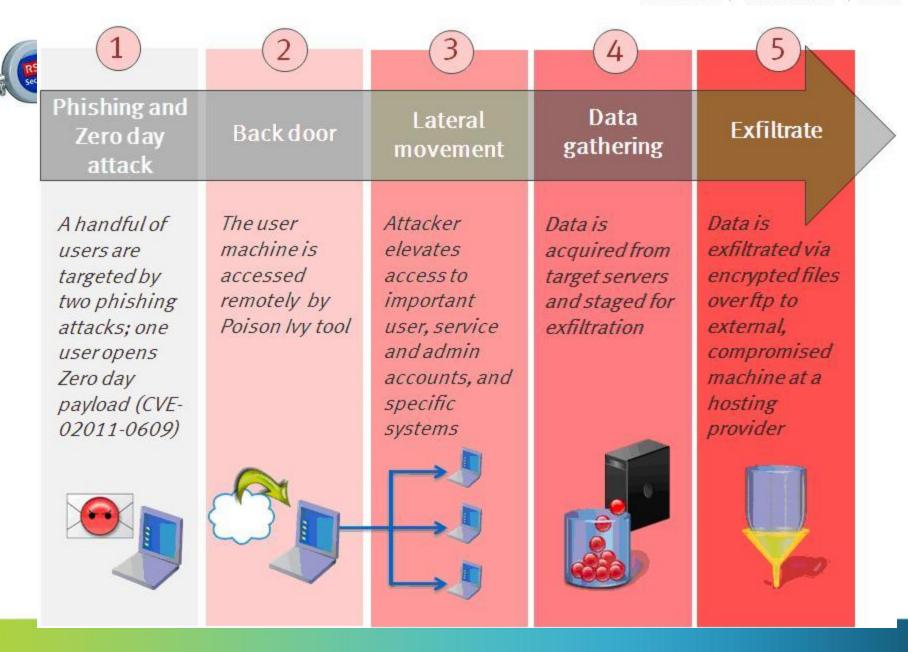
[user12] they are running linux 2.6.9-2.6.24 on that box too+

[user12] that too is old



APT Attack to RSA SecurID

RSACONFERENCE CHINA 2011



APT Attacks Worldwide

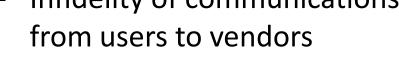


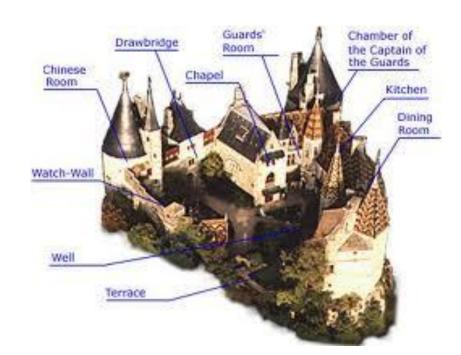


General commercial security devices can't help on those APT and other sort of advanced targeted attacks!

Picture of Security Today

- Clear perimeter between security zone and insecurity zone (and DMZ)
- Security policy mostly based on IP addresses, ports, etc.
- Silos of various security devices
- Mission impossible for signatures update to catch up with zero-day threats
- Infidelity of communications from users to vendors









Security Intelligence System



General Logs

DNS Query | Login/Auth | Firewall /Router/Switch | Web proxy

Security Alerts

IDS/IPS | Firewall | AntiVirus | UTM | ...

HoneyNet

Web Resources

Vulnerability and Patches | Attacks | Tools | ...



Security Intelligence

Log Correlation | Malware Analysis | Forensics Reporting | Data Mining Reputation | Situational Awareness | ...



Security Policy Update



Ruleset
/Knowledgebase
/Configuration
Update

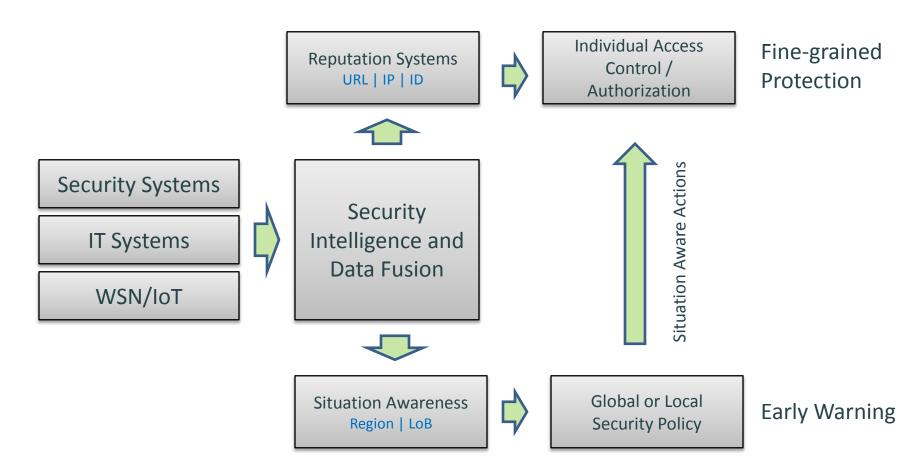


Communications and Training



Security Intelligence Enables Advanced Features





Talking About Next Generation

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Security

Business



☐ Intimate Partnership between customer and providers

Knowledge



☐ Cloud Intelligence

Architecture



Service Oriented

Open Plugin-enabled

Team



- Real Time Response
- ☐ Global Operated

Intelligence Based Cyber Defensers CONFERENCE CHINA 2011

Technology

Government

- Develop nation-level security intelligence system, including monitoring, collecting, analyzing, sharing, distributing, covering vulnerability, reputation, honeynet and malware, etc.
- Early warning & emergency response system

Enterprise

- Choose security devices with adequate dynamic update capability
- Enable logging and build correlation/data mining capability or purchase MSS.
- Be open to share security data with authority and MSSP

Policy

- Laws/Regulations
- Public/private sector collaboration, identifying a few trustworthy providers and develop deep collaborations
- Awareness education
- International collaboration and agreements
- Regular self check on compliance
- Awareness education



谢谢 Thank You 謝謝 Vielen Dank Gracias Merci Beaucoup ありがと 감사합니다 Obrigado ขอบคุณ Terima kasih





