Cambodia Effort in Fighting Cybercrime
In the absent of Law

Asia Pacific Regional Mock Court Exercise on Fighting Cybercrime
18-19 Sept 2012, Jakarta, Indonesia

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Agenda

- Cambodia ICT Statistic
- Cyber Threat in Cambodia
- Relevant Agency In Cambodia
- Fighting CyberCrime Challenges
- Case Study
- Conclusion
Cyber Threat in Cambodia

Financial Sectors

Increasing Threats

Cyber threats a concern for stock exchange

CAMBODIA’s planned stock exchange would face cyber attacks, experts said yesterday, but bourse officials emphasised that security would be in the hands of experienced partners.

Important Message From ANZ Royal Banking!

ANZ Royal Bank Internet Banking customerservice@anz.com.kh

Email scam targets ANZ customers

ANZ Royal Bank customers have been targeted with hoax emails requesting that they activate a new ANZ login, in the second phishing scam to hit customers’ inboxes in the space of two weeks.

The email, dated March 9, announces a “new ANZ Log in with added security”, providing a link and instructing ANZ Royal customers to “activate [your] account on new ANZ now as the old location will be deactivated shortly”.

ANZ Royal Bank chief executive officer Stephen Higgins said today that phishing was increasingly prevalent in Cambodia.
Cyber Threat In Cambodia ...

ICT Key Number

- Fiber = 22,380Km
- Int. User = 2.5 million
- Mo. User = 19 million
- .KH = 1,461
- ISP = 27
- Mobile Operator = 10
- Internet Cafe = 304
- Facebook User = 550K

Increasing Threats

- Spam
- Trojan
- Malware
- ID Theft
- DDoS
- Worm
- Spyware
- Deface
- BotNET
- Info Leak
- Virus
- BotNET
Cyber Threat In Cambodia ...

ASEAN 2012 Meeting Website

Cambodian Ministry of Foreign Affairs (MFA) – ASEAN 2012

The website for the Cambodian Ministry of Foreign Affairs (MFA), www.asean2012.mfa.gov.kh, has also been compromised to point to both Flash and Java exploits. Both the Flash and Java exploits were identical to those hosted on the CDI website.

(UPDATE: We’d like to extend a special thanks to our friend Kurt Baumgartner at Kaspersky Labs for providing details related to this compromised website.)
Cyber Threat In Cambodia ...

#OpCambodia by Anonymous Philippine

The First Political motivated attack to Cambodia Government & Private Sector Websites

What is the Motivation?

Note Happy with the result of ASEAN Meeting without issue any statement in its history
Cyber Threat In Cambodia ...

#OpTPB2 (Gottfrid Arrest in Cambodia)

Cambodian Government Sites Attacked for #OpTPB2

By Lee J
Published September 2nd, 2012

NullCrew - #OpTPB Cambodia leaks #2
BY: A GUEST ON SEP 1ST, 2012 | SYNTAX: NONE | SIZE: 1.79 KB
DOWNLOAD | RAW | EMBED | REPORT ABUSE

Computer Hackers Target Cambodia

‘Anonymous’ hacks government websites

Wednesday, 12 September 2012  Justine Drennan

Gottfrid Svartholm

Born
Per Gottfrid Svartholm Warg
17 October 1984 (age 27)

Other names
anakata

Known for
Co-founding The Pirate Bay
Relevant Agency In Cambodia

Agency Relevant in CyberCrime Issue

Council of Ministers

National ICT Development Authority

CamCERT InfoSec
- Gov’t Security Policy and Standard
- Incident Management
- Info. Security Cener (ISC)
- Law & Regulation
- Awareness & Outreach
- Local/Int’l Framework

CyberCrime Law
- Working on Drafting Cybercrime Law
- Many senior Governments officials and advisor
- Local & International Cooperation
- Awareness

Relevant Ministry / Supporting

- Samdech Hun Sen
  Prime Minister - Chairman
- H.E. SOK An, Deputy Prime Minister in Charge of Council of Ministers
  Deputy Chairman
- H.E. Chun Vat
  Secretary General
- MPTC (ISP, Telco Policy)
- Min. Information (Media, TV, Newspaper)
- Min. Defense (National Security)
- National Police (Cybercrime Investigate)
- Min Justice (Judicial System)
Fighting Cybercrime Challenges

- **Technical Capacity**
  - Know-How
  - Skills
  - University Curriculum

- **Inter-Agency Coop.**
  - Local
  - International
  - Coordination
  - Cooperation

- **Law & Regulation**
  - Judge & Lawyer
  - Law Enforce.
  - Regulation

- **Awareness & Outreach**
  - Important of InfoSec
  - Training
  - Awareness
Case - #OpCambodia

Joint Circular Combating Telecom Fraud including ISPs & Tele Oper.

National Police

MPTC

CamCERT

Philippine Police

Victim Websites

Challenges

- Not ready in preparation (ASEAN Meeting Website)
- Good cooperation between CamCERT & Police
- The victims do not aware that they attacked because of political motivated
- The administrators do not know how to secure their website in coding (go & come)
- Using Old CMS version
- Hosting outside Cambodia
- What is Log File?
- Philippine do not have National CERT Team

Report

Confirm

Advisory

Evidence Collections
Case - #OpTPB2

Government of Sweden

Government of Cambodia

Arrested

Hacker Declare #OpTPB2 Against Cambodia Gov’t and Private Sector Websites.

Result

Victim Websites

Advisory

Report

CamCERT

National Police

Challenges

• Cambodia is part of International Community
• Cambodia is vulnerable in the absent of law and expertises
• Poor coding practice
• What is Log File?
• Noting seriously leak
• No Agreement with Sweden
• Cambodia used Immigration Law (with the Red Notice from Interpol) to deport him out of Cambodia
• Information sharing between CamCERT & National Police
Conclusion

Building communities, working together & knowledge sharing is the key to success

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