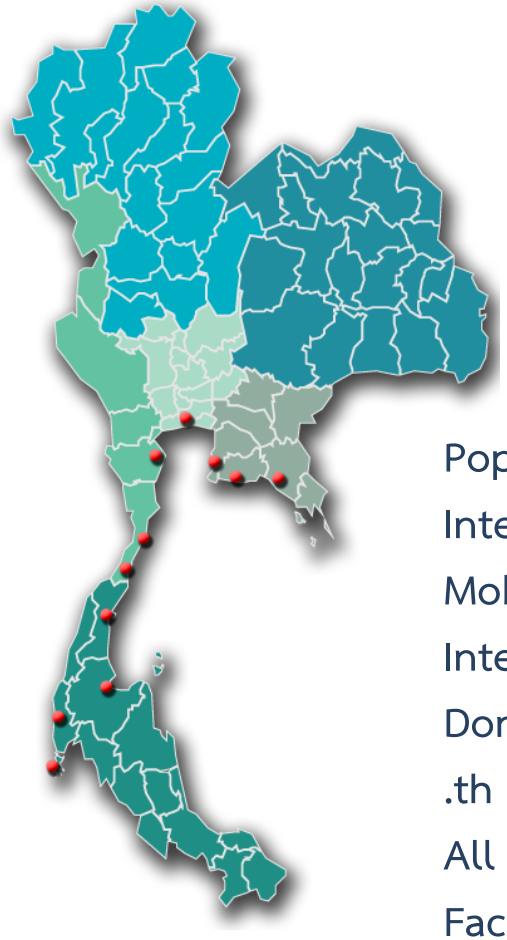
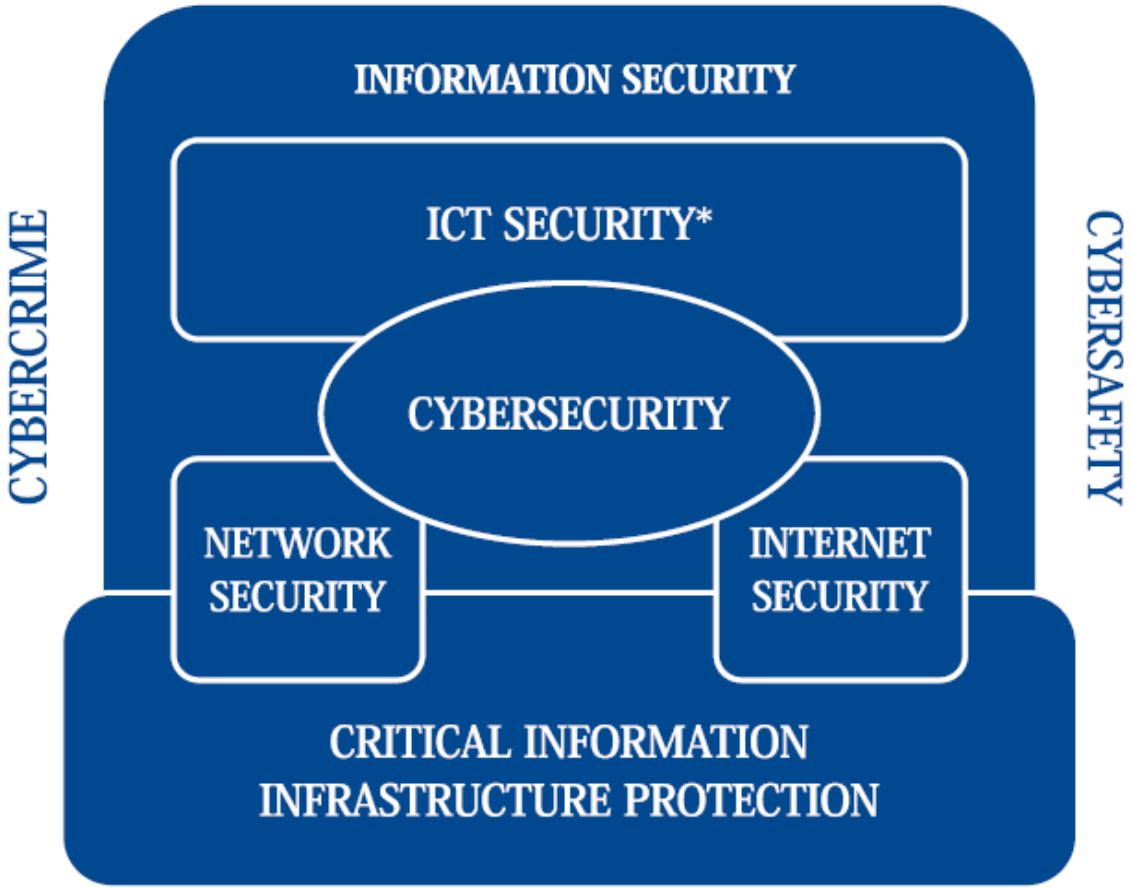
Statistics and status of incidents of government websites

Statistics Of Internet In Thailand



Population:	64.457 M
Internet users:	24 M
Mobile phone subscribers:	87.446 M
International Bandwidth:	507.084 Gbps
Domestic Bandwidth:	1.223 Tbps
.th domain names:	64,316
All domain names:	246,274
Facebook users:	18.766 M
Twitter users:	2 M

Core Of Cyber Security



C.I.A.

- **Confidentiality**
- **Integrity**
- **Availability**

10 RISKIEST COUNTRIES

1 INDONESIA

2 CHINA

3 THAILAND

4 PHILIPPINES

5 MALAYSIA

6 INDIA

7 MEXICO

8 UAE

9 TAIWAN

10 HONG KONG

*** Threat exposure rate (TER) : Measured as the percentage of PCs that experienced a malware attack, whether successful or failed, over a three month period – Source : Security Threat Report 2013 - SophosLabs

ThaiCERT – A Quick Introduction

- Thailand Computer Emergency Response Team (ThaiCERT)
  - A government funded unit, established in 2000
  - The first and only non-profit CERT (Computer Emergency Response Team) in Thailand
  - Provides its incident response service to Thai local constituency, or to other international entities where the sources of attacks originate from Thailand

ThaiCERT Incident Coordination Service

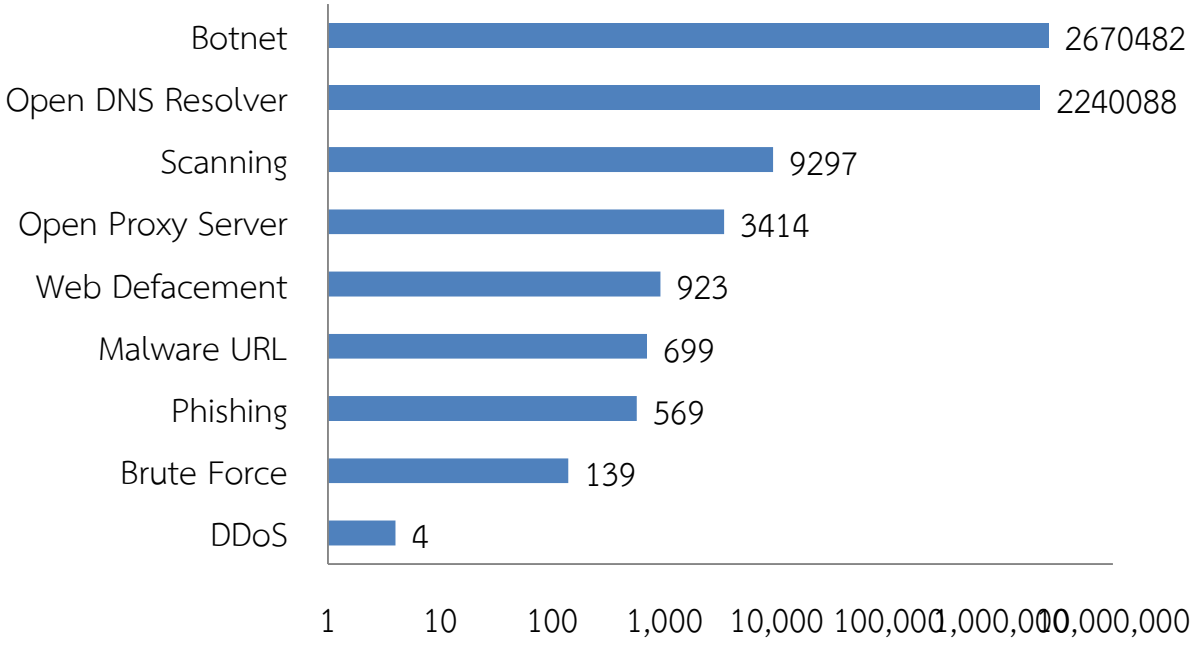
- Receive incident reports nationally and internationally
- Assign each incident report with a unique ticket number to keep track of the resolution development
- Maintain a up-to-date Point-of-Contact (PoC) of both public and private sectors in Thailand
- Operate with quality assurance (2-day)
- Provide 24x7 incident response service

ThaiCERT Incident Coordination Service

- For statistical purposes, standard incident types were defined based on ECSIRT classification*
    - **Abusive Content** – Spam, Child/Sexual/Violence
    - **Malicious Code** – Virus, Worm
    - **Information Gathering** – Scanning, sniffing
    - **Intrusion Attempts** – Exploiting of known vulnerability, Login attempts
    - **Intrusions** – Account Compromise, Application Compromise
    - **Availability** – DOS, DDOS
    - **Fraud** – Phishing, Copyright
    - **Other**

* ECSIRT Incident Classification
available at http://www.ecsirt.net/cec/service/documents/wp4-clearinghouse-policy-v12.html#HEAD6

Unique IPs Through Automatic Feed In 2014

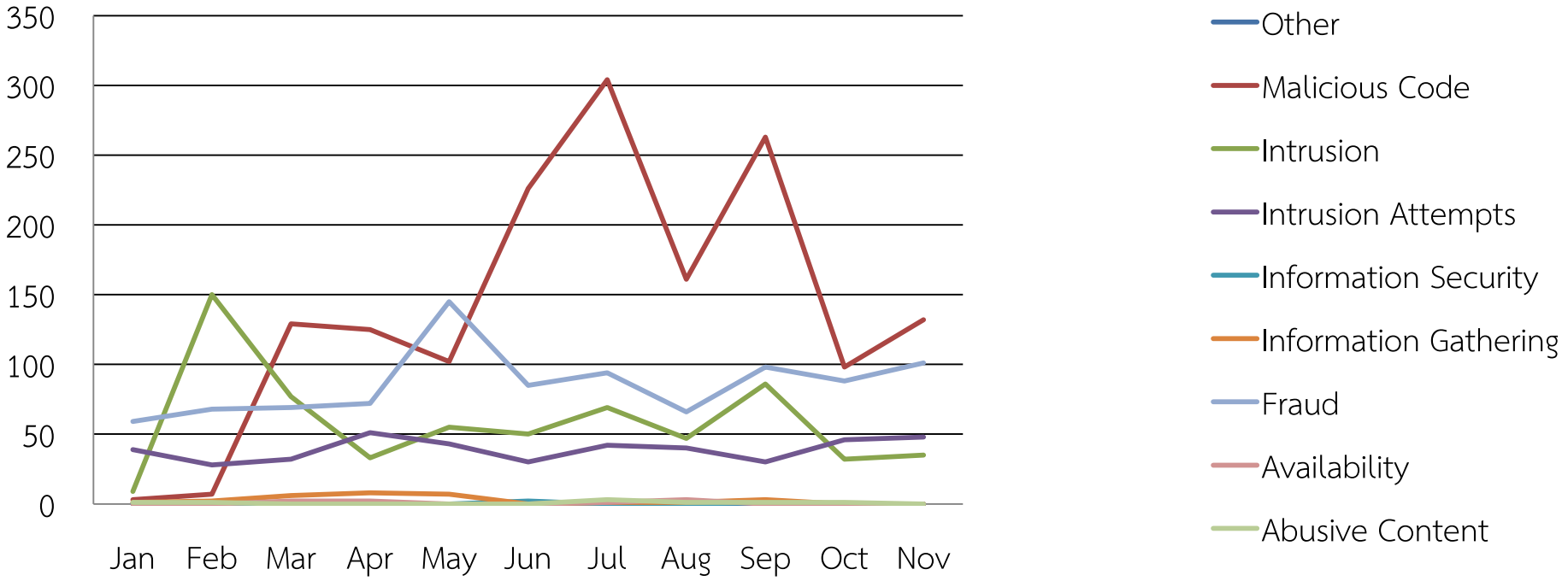


Total number of unique IPs:
4,925,615

Top 3
1. Botnet 54%
2. Open DNS Resolver: 45%
3. Scanning: 0.2%

Data from Jan – Nov 2557

Directly Reported Incidents To ThaiCERT In 2014 Per Type



Number of reports: 3,616

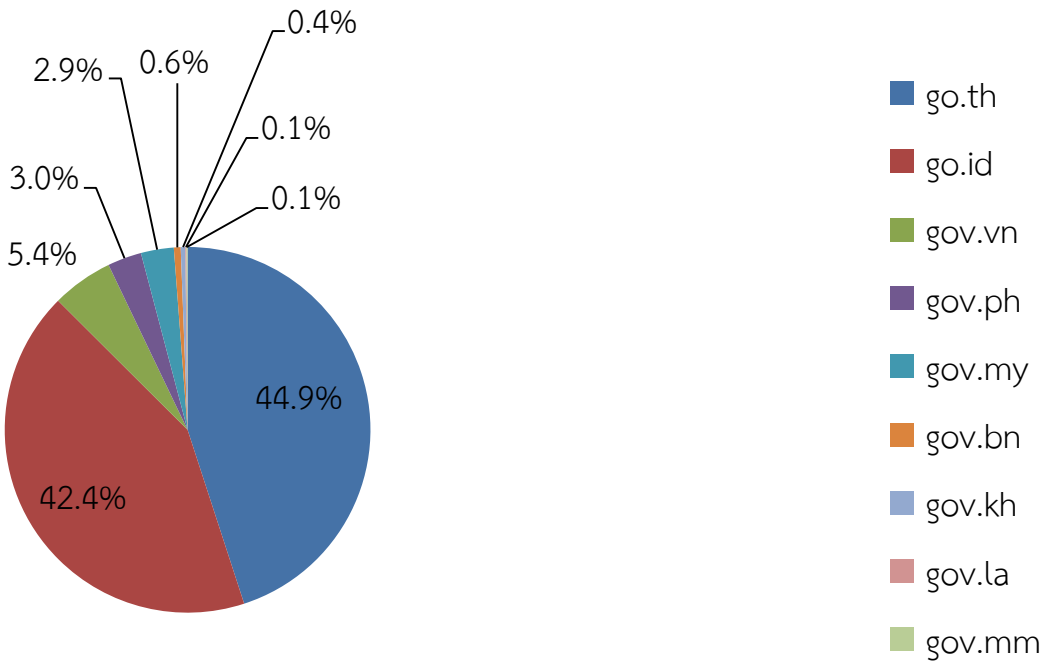
1. Malicious Code: 1,550 reports (43%)
2. Fraud: 945 reports (26%)
3. Intrusion Attempts: 643 reports (18%)

Web Defacements

n[redacted]n.go.th/index.php

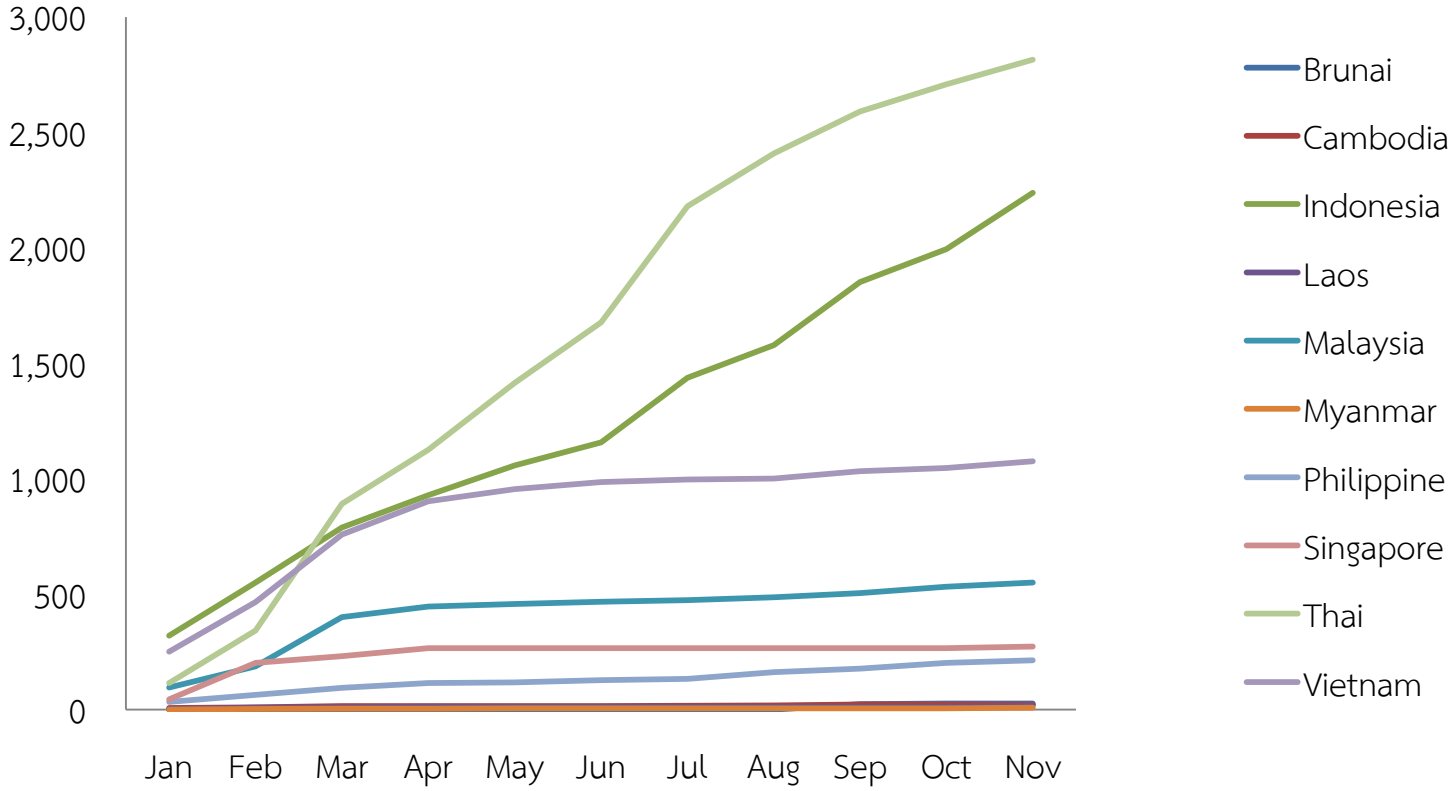
./Hacked Error 7rB

Web Defacements
Of Government Websites In ASEAN In 2014



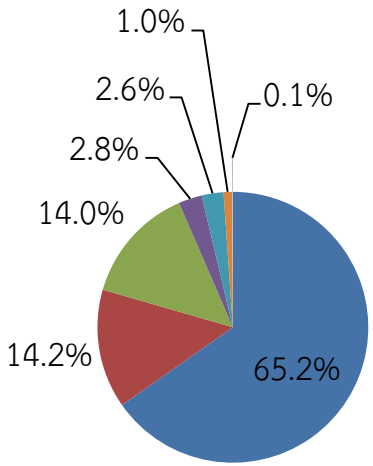
Data source: Zone-H from Jan – Nov 2557

Web Defacements In ASEAN In 2014



Data source: Zone-H from Jan – Nov 2557

Web Defacements
In Thailand In 2014



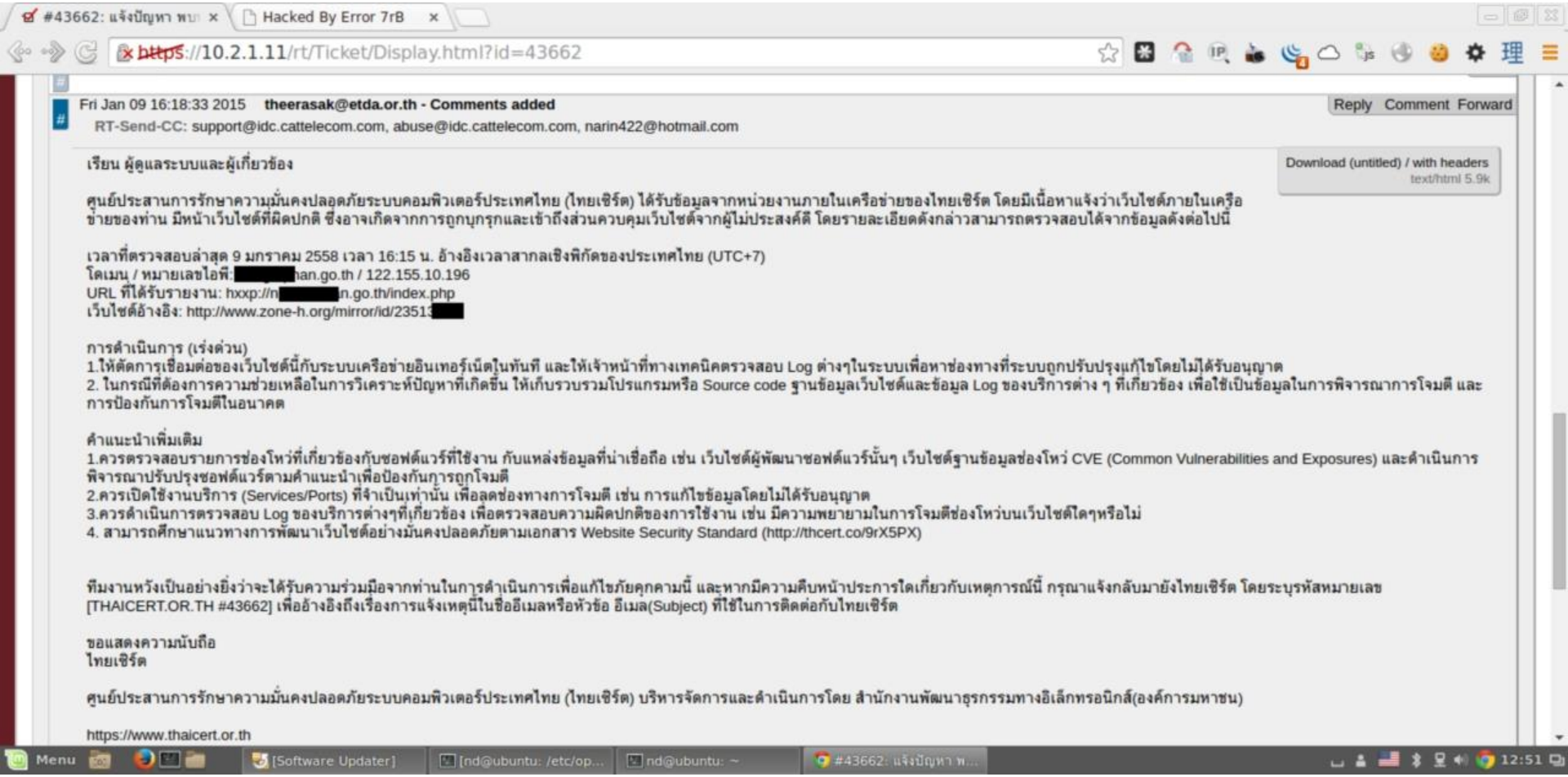
Top 2:

- Government website (go.th): (65%)
- Educational website (ac.th) : (14%)

Total number of reports: 1,400

Data source: Zone-H from Jan – Nov 2557

Example ticket



ThaiCERT Point-of-Contact

Please register your official contact details with us, so we can contact you when we need to report an incident to your company.

- Our contact details if you wish to report an incident to us or need help:
- email: report@thaicert.or.th
- telephone: 0 2123 1212