KASPERSKY

Taking responsibility for the Internet

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Reasons for E-Crime

It's profitable
- 9 million USD worldwide ATM hack – in only 30 minutes
- Cash exchange machine hacks – $800 to 1.2M rub ($35K)
- Sumitomo Bank £229M hack

Easy to do
- It's simple – technically speaking
- No physical contact with victims
- Modern Operating System design is flexible and insecure (!)

Low risk business
- Gaps in legislation, serious gaps in some cases
- Victims rarely inform police about crimes
- Difficult to trace anonymous professionals (!)
- Cybercrime crosses international borders (!!!)

Reason #1 – Profit

Limit Internet services?

Unreal

POSTES

NE PAS JETER DE JOURNAUX DANS CETTE BOITE

Reason #2 – Security vs. Flexibility

Modern OSes
- Flexible and insecure

Secure OS design
- Only trusted applications are allowed to run
- SW vendors must get certificate for apps
- Definitely not the SW vendor-oriented scenario
- Result: less products and services

Security loses versus Flexibility
- Yesterday: MS Windows vs. IBM OS/2 and Novell Netware
- Today: "GooglePhone" vs. iPhone and BlackBerry

Reason #3 – Law Enforcement

The Internet – just another public network
- We have many networks: transportation network, electricity, water supplies, etc.
- All public networks have regulation and 'policemen'
- All public networks 'register' their customers in some way
- Except one: The Internet

Anonymity – is the key issue
- Only trusted applications are allowed to run (see prev. slide)
    - all Internet users must be trusted
- SW vendors must get certificate for apps
    - Internet passports for all Internet users

Security must win versus Flexibility

Designing a Safe e-World

Internet Regulation
- Internet Passports for individuals
- Accreditation for businesses
- Temporary storage of necessary requests
- There are many questions, but this is the only way

Internet Police aka Internet-Interpol
- International police collaboration

Internet Government
- To coordinate the *Secure Internet* project

Internet Government

Global Network Security

- Global regulation, local/regional coordination
- Transparent Internet-money system
- Quick adoption of local laws for the volatile e-World
- Safe coding standards for SW industry
- Users/business education

Internet-ional Projects

- To secure free services: ICQ, Wiki, Skype, etc.

The Safe e-World

No more malware?

Of course not, there will always be professional criminals...

BUT – an Internet Government will stop most of them.

- Stop spam, botnets and DDoS attacks
- Stop illegal content (XXX, pirated media, …)
- Stop Internet fraud
- Stop organized crime and terrorists from using Internet for communication

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The last pessimistic slide
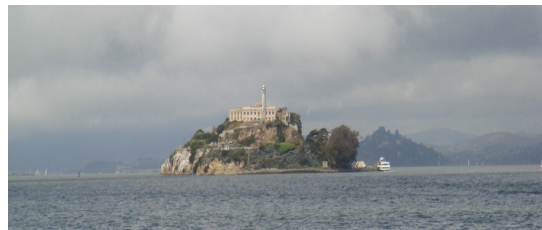
When?

~~Never...~~

… after some serious regional or global incidents

The last optimistic slide

iCriminals need…

a dedicated prison!

What about iCatraz?

Thank you!

Questions?

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