



Cyber Hygiene – A few key points

CONFERINTA NATIONALA DE CYBERSECURITY

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certSIGN – General Facts

Accredited provider for digital certificates, timestamping and e-Archive services

More than 100.000 active qualified digital certificates

Audit WebTrust for CA
Audit eIDAS for TSP
Trusted Introducer

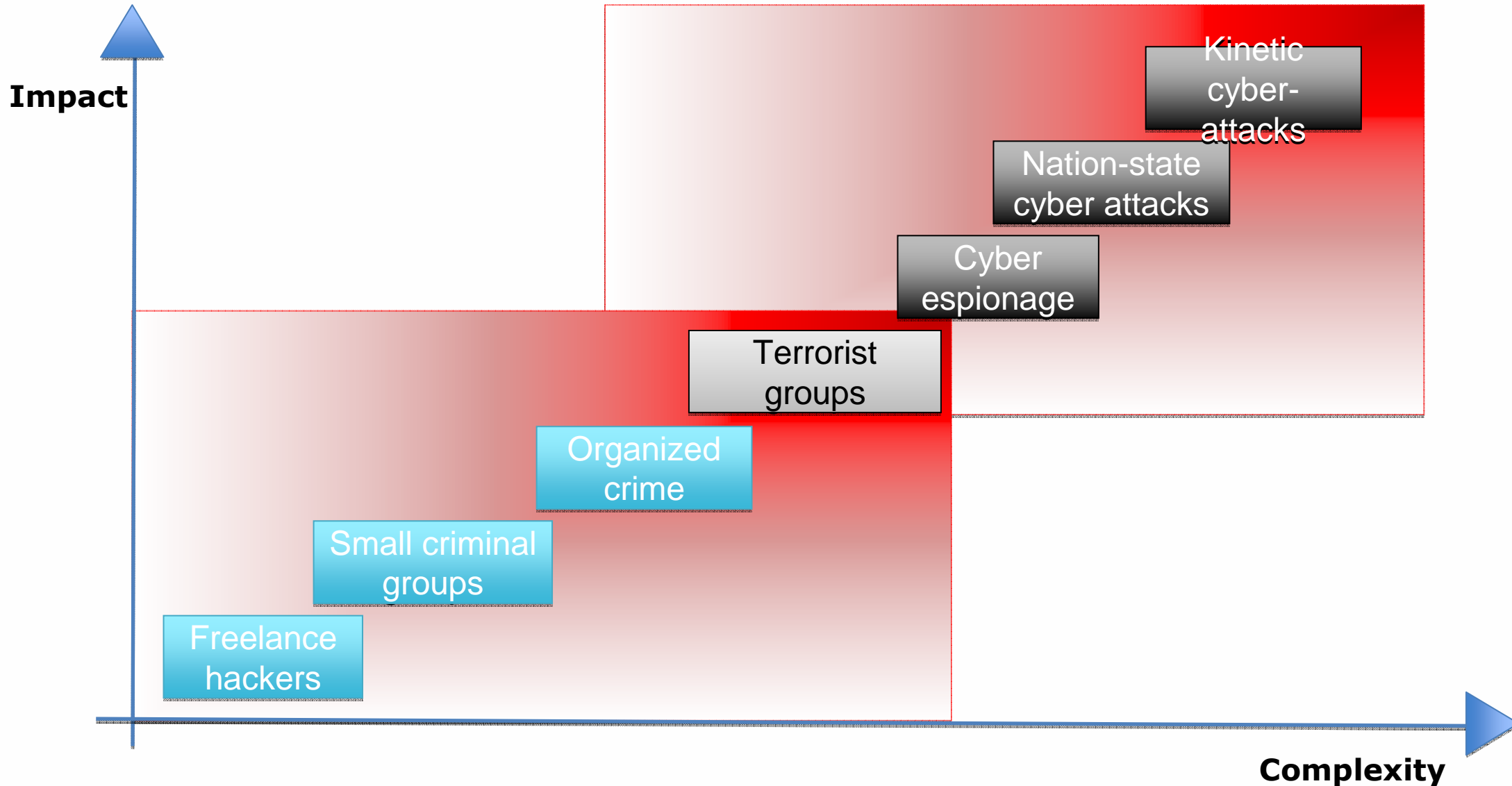
Digital certificates issued by certSIGN are recognized by Internet users

NATO-approved PKI applications developed by certSIGN - NATO Information Assurance Product Catalogue

Trusted products and services delivered in more than 10 countries

Who are we fighting with?

External factors



Who are we fighting with?

Internal factors

Lack of:

- Awareness level
- Security culture
- Top Management involvement
- IT Security-related budgets
- Trust in 3rd party services
- Information sharing

Human Hygiene vs Cyber Hygiene



Health Campaign Approach in USA

- In 2014, CIS (Center for Internet Security) and the National Governors Association launched the National Campaign for Cyber Hygiene as a way to promote cybersecurity as a public “health” issue.
- Top 5 Priorities of the Campaign: Count, Configure, Control, Patch, Repeat.

1. Count

- Hardware inventory: authorized and unauthorized devices
- Software inventory: authorized and unauthorized software

2. Configure

- Implement and manage secure configurations
- Use industry recommended standards
- Follow change management procedure

3. Control

- Manage and control administrative privileges
- Limit the numbers of users with administrative privileges
- Use multi-factor authentication and complex passwords

4. Patch

- Regularly update operating systems and applications
- Follow Patch management procedure
- Continuous vulnerability assessment and remediation

5. Repeat

- Protect your systems by repeating you top-priority items
- Form a solid foundation for cybersecurity
- Wash you hands regularly

Cyber Hygiene Practices in EU

- Belgian Cyber Security Guide
 - 10 Key Security Principles
 - 10 “must do” security actions
- ANSSI 40 Essential Measures for a Healthy Network
 - 13 control areas
- UK Cyber Essentials Scheme
 - 5 control areas

Good cyber hygiene practices

- Cyber Security Awareness
- Effective training
- Asset inventory
- Security hardening
- Security patches
- Backups

Thank you

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