

11th – 12th June
Prague

UNIVERSE OF **CYBER SECURITY** AND DIGITAL FORENSIC

**CLOUD AND SOCIAL
NETWORKS RISKS**

MOBILE SECURITY



$$\alpha|0\rangle = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$|\psi\rangle = \alpha|0\rangle + \beta|1\rangle$$

$$|\alpha|^2 + |\beta|^2 = 1$$

$$\beta|1\rangle = \begin{pmatrix} 0 \\ 1 \end{pmatrix}$$



Pre conference:

12:30

Network Forensic Investigation of a Hacked Web Server

 *Ondrej Krehel, Lifars LLC and Fibamo*

15:00

Malware Analysis of Windows and mobile Android Systems

 *Ivan Bacigal, Forensic Expert*

Day 1 Conference

8:00

REGISTRATION AND BREAKFAST

9:00

APT Part 1 - Cyber Risks and Digital Threats

 *Lukas Hlavicka, Head of Department, CSIRT.SK*

- Overview and stages observed in APT attacks
- Attackers, victims and processes
- Exploited vulnerabilities and common mistakes in defense
- Methodology for defense and proactive reaction
- Main points in structure of defense
- Q&A

9:40

APT Part 2 - Methodology of defense and response

 *Lukas Hlavicka, Head of Department, CSIRT.SK*

- Overview and stages observed in APT attacks
- Attackers, victims and processes
- Exploited vulnerabilities and common mistakes in defense
- Methodology for defense and proactive reaction
- Main points in structure of defense
- Q&A

10:40

MORNING COFFEE & NETWORKING

11:00

Cyber vectors and threats

 *Jan Kvasnicka, Symantec*

- Cyber-threat classification and their impact on business
- Effective processes for risk reduction
- Hacking attacks, their classification, mobile and portable devices risks
- Advanced persistent threats and intellectual property frauds
- Q&A

12:00

LUNCHEON

13:00

Threat Intelligence from Event Correlation

 *Peter Kopriva, IS Security Specialist - Senior, Tatra banka, a.s.*

- Data standards, and regulations, such as US breach statues, and EU Directive on privacy
- Industry standards for payment processing, including PCI DSS requirements
- Sectorial versus one umbrella approach in privacy and data protection
- Privacy by design concept
- Q&A

14:00

Anti-detection Techniques in Network Communication

 *Marian Novotny, Network Security Algorithm Designer, ESET*

- Present technologies used for detection and protection, such as IDS/IPS
- Implementation of technologies into various security designs
- Defining weakest links and implementing appropriate remediation steps
- Q&A

15:00

AFTERNOON TEA & NETWORKING

15:20

Web Application Hacks and Security

 *Jaroslav Nemcok, Web Security Reseacher, Lifars LLC*


16:00

Mobile Security – Bottleneck or business enabler?

 *Marcus Klische, Security Advisor Blackberry, Blackberry*

17:00

Fraud Spam with Malware

 *Andrea Kropacova, Czech CSIRT.CZ*

 *Karel Nykles, Forensic Laboratory Specialist, Cesnet*

18:00

Career Fair Debate

Samuel Leduc, Branch Manager at REED

Romana Martincova, Senior Business Manager, REED

20:00

NETWORKING NIGHT DINNER AND PARTY

- Join us after the conference with the awesome Opening Party shindig. Stay for a few rounds at Monastery Brewery located just across the street.




Day 2 Conference

8:00

BREAKFAST

9:00

Biometrics in financial sector

 *Marek Zeman, CISO, Tatra banka, a.s.*

- Business reasons for biometrics implementation
- Possible business areas
- Logic and functional description implemented cases
- Control measures (FRR, FAR - how to measure this kind of parameter)
- Open questions/problems
- Attack vectors
- Q&A

9:40

Windows and Android malware analysis

 *Ivan Bacigal, Forensic Expert*

- Lecture is covering fundamental aspects of reverse engineering and malware analysis.
- How to set up an inexpensive and flexible laboratory for understanding the inner-workings of malicious software.
- Understand how to use various tools for uncovering characteristics of real-world malware samples, and examine behavioral patterns and code, and discussing essential x86 assembly language concepts.
- Examine malicious code to understand vector of infections, static and dynamic analysis, and execution flow.
- Various characteristics of malware will be discussed such as bots, rootkits, keyloggers, downloaders and other types of malware.
- Q&A

10:40

MORNING COFFEE & NETWORKING

11:00

Case Studies from Forensic Investigations

 *Ondrej Krehel, Lifars LLC and Fibamo*

- Technologies used for digital forensics, network forensic, volatile information and malware analysis. Incident response and forensic Triage.
- Techniques implemented in various forensics technologies and pros/cons.
- War stories, case studies, cases from real world.
- Q & A

12:00

LUNCHEON

13:00

Digital Evidence Management Framework

 *Miroslav Baca, Court Expert Witness, Professor at University of Zagreb at Faculty of Organization and Informatics*

- Data-breach plan creation and implementation
- Framework for incident response plan, and its execution
- Integration of investigative techniques into corporate and government environments
- Role of human factor, and employee training
- Q&A

14:00

Modern Attacks on Internet Banking Systems

 *Petričko Dušan, Information security specialist, VÚB, a.s.*

15:00

AFTERNOON TEA & NETWORKING

16:00

Bermuda Triangle of the Investment and Private Banking Cyber Frauds

 *Boris Mutina, Freelancer in IT security*

- Financial cyber frauds - three quick case studies
- Fraudster evolution, possibilities in the investigation and the recovery
- Countermeasures and ideas to think about in the future

17:00

Interactive Panel Discussion

 *Ivan Bacigal, Petričko Dušan, Ondrej Krehel, Boris Mutina, Jaro Nemcok, Marek Zeman*

- The audience has the opportunity to ask questions and open an interactive discussion with the speakers from Day 1 and Day 2

RESIDENCE

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