Universe of Cyber Security and Digital Forensics

QuBit
Conference

PROGRAM GUIDE

QuBit Conference
BELGRADE 2019

7 FEBRUARY 2019 | HOTEL METROPOL PALACE

MEET THE
SPEAKING BUREAU
of QuBit Conference Belgrade 2019

Every year, QuBit Speaking Bureau handles the most important part - to find and put together an impressive list of speakers and topics.

ALEKSANDAR MIRKOVIC

Head of Speaking Bureau, CISO/DPO - Information Security Manager

Serbia

JOE CARSON

CISSP, CSPO, CSP, cyber security professional and ethical hacker

Estonia

ROMAN CUPKA

Principal Consultant CEE at Flowmon Networks

Slovakia

ETAY MAOR

Executive Security Advisor at IBM Security

USA

PRE-CONFERENCE
TRAININGS

HACKING AND DEFENDING TRAINING
6 FEBRUARY 2019 | BELGRADE

Information and information system security is one of the most important topics today. In the era of more frequent and always different attacks, malware, ransomware, it's increasingly difficult to find the right way to defend. In order to determine the techniques and technologies needed for defending the organization, you need to know what is attacking you and how it attacks you. What hackers use, how they think and how they come to us are just some of the questions that are constantly being asked and the answer is difficult to find.

This training introduces you to all types of attacks and demonstrates the techniques and how ease is to perform them, with the goal of demystifying hacking and defying the mode of defending.

Walk the attendees through all the steps of one attack, from zero point to complete control. Explain all techniques and demonstrate attacks and some of the most used tools. Defining and explaining defense techniques for each of the attacks, and parts of the attack.

TARGET AUDIENCE:

Everyone who wants to learn about hacking and pentesting from the begining

Not for penetration testers

PREREQUISITES:

Basic knowledge about system and network infrastructure

Duration: 8 hours

Number of attendees: Up to 20 attendees

TRAINER: Aleksandar Mirkovic
        CISO/DPO – Information Security Manager

CRYPTOGRAPHY TRAINING

PRACTICAL CRYPTOGRAPHY FOR ADMINISTRATORS
CYBER EXPERTS | HANDS-ON EXPERIENCE | EARN CPE CREDITS

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Probably all of you have heard about HTTPS, SSL, TLS. Probably some of you have heard about AES, PGP (GPG), Kerberos, OpenVPN, Diffie-Hellman... Have you ever been wondered why we are encouraged to use this crypto-stuff, how it works, how and why it protects our privacy? And what are the consequences when we do not pay enough attention to the correct configuration of this crypto-stuff?

During this training we start with little bit theory about cryptography, but most of the time we will spent by practical hands-on with configuring the most commonly used services, mostly on Linux.

After this training, participants should be able to setup and secure their own services. They can expect hands-on with the following:

- enable the https on web servers and how to achieve A or A+ rank in the well-known Qualys ssl test
- secure the mail servers and SSH servers
- use VPN for secure connection between devices at various geographical locations
- send and receive encrypted e-mails, manage public keys of your contacts and use the benefits of the web of trust
- manage own certification authority
- understand the pros and cons of some ciphers and protocols
- be familiar with various attacks on weak ciphers and protocols and how to defend them

TARGET AUDIENCE:

Administrators of Linux and Windows servers

Software developers and enthusiasts with technical skills

PREREQUISITES:

should be familiar with Linux command-line

Linux laptop with at least 6GB of RAM, 20 GB of free space on HDD/SSD and installed VirtualBox (64-bit edition)

Duration: 8 hours

Number of attendees: Up to 20 attendees

TRAINER: Ladislav Bačo
System Engineer, CSIRT.SK

7 FEBRUARY

8:00 - 8:50 — **Registration**

9:00 - 9:05 — **Conference Opening**

9:05 - 9:20 — **New Day Rising** *Opening Keynote*
Robert J. Cameron | Special agent at FBI 🇺🇸

9:20 - 9:50 — **From fake purchase order to remote access tool**
Ladislav Baco | Security analyst at CSIRT.SK 🇸🇰

Case study and analysis of infected document spreaded via emails and delivering the Remcos RAT. You can see defeating the multiple layers of obfuscation and various tools and techniques in action during the live malware analysis session. We will also dicsuss how difficult it is to perform this kind of attack and you will see it not only from the analyst point of view, but also from the point of view of the victim and the attacker.

9:50 - 10:10 — **Coffee Break**

10:10 - 10:40 — **Weaponizing Layer-8**
Stefan Hager | Security Engineer at DATEV eG 🇩🇪

Discover some creative solutions people have come up with to significantly raise their security - most of them are easy to implement - and how users can become a major asset of any security team.

10:40 - 11:10 — **WEB2BOT: Your web - their bot**
Boris Mutina | IT Security Specialist, Excello 🇨🇿

Websites are not only the source of the information for the visitors but also for the cyber criminals. The presentation explains how website-targeted botnet works, attack vectors, features and outlines the possible defense against such attacks.

11:10 - 11:40 — **Inside the MIND of a Hacker – How a lightbulb almost stopped Christmas**
Joseph Carson | Chief Security Scientist at Thycotic 🇪🇪

This session explains how outside attackers or malicious insiders can exploit vulnerabilities using examples such as a compromised email account password that escalates into a full-blown breach of network security and how a light bulb almost stopped Christmas from happening.

11:40 - 12:10 — **DDoS Layer 7 - The revenge of Ping of Death - part 2**
Stefan Petrushevski | Senior Security Engineer at ING 🇳🇱

In this presentation we explain how Layer 7 DDoS attacks work, attacks old-school as well as new-school techniques. We then propose an approach how to implement mitigations to protect your your company from these type of attacks and finally how to effectively test the mitigations by integrating DDoS Layer 7 security testing in your Continues Delivery / Continues Integration to server your DevOps teams.

12:10 - 13:10   ⊗   Lunch

13:10 -13:55   ●   **Data Leakage Prevention** *panel discussion*

Moderator: Aleksandar Mirkovic I CISO, DPO - Information Security Manager

Panelists: Darko Sehovic I Special Advisor for information system security,
Chief information security officer at Association of Serbian Banks

Marek Zeman I CISO at Tatra Banka 🇸🇰

13:55 - 14:25   ●   **Hickery Dickery Doc, the mouse clicked the doc - Where phishing and malwares reach a whole new level!**

Shyam Sundar Ramaswami - Security Researcher I CISCO 🇮🇳

Attacks are common and complex these days. Phishing is a super common attack these days and the end result is one loses credentials. What if you get phished and get infected with a trojan too?

14:25 - 14:55   ●   **IaaS (Ignorance as a Service)**

Tino Sokic I CEO/ICT Security Solution Engineer at CNV-IBIS 🇭🇷

We will go over the Balkan security mindset since visitors to www.ucionica.net portal are from Serbia and we have an overview of users and their IT habits + Shodan.io, a live overview of this online devices search engine.

14:55 - 15:15   ☕   Coffee Break

15:15 - 15:45   ●   **My malware vs Windows 10 security features**

Mane Piperevski I IT Security Consultant, Piperevski & Associates 🇲🇰

15:45 - 16:15   ●   **One day in the life of SOC**

Vladimir Petrovic I Security Consultant at Unicom - Telecom 🇷🇸

Presentation showing SOC incident resposne algorithm, showing real-life example with reponse reaction form tier 1 and tier 2 teams, incident resposne managers and security analist. Three examples with basic attack/alarm/incident, known attacks and massive unknown attacks. Showing the way tier 1 response, incident triage, escalation with tier 2 and customer, etc...

16:15 - 16:20   ◉   **Closing presentation**

17:00 - 21:00   ◉   **RAFFLE & NETWORKING DINNER SPONSORED BY SOPHIST IT**

*Agenda is subject to change   * CPE Credits are upon request*

NETWORKING EVENTS

QuBit Conference

VIP RECEPTION
6 February, 2019

NETWORKING DINNER
7 February, 2019

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