

Interview: Pete Herzog – part II.

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Adam Lamser

Pete Herzog is an example of an ethical hacker who teaches workshops, coaches corporations on cybersecurity, analyzes security for Smart Cities and IoT, develops security products, advises startups, and hacks. He is a published author and his articles and projects can be found primarily in ISECOM.org, a non-profit research organization he co-founded in 2001. In the second part of the interview, we ask him about his work for OSSTMM, Hacker Highschool, his personal experiences, and much more.



Security Operations Center (SOC) – don't overestimate one link in the system – part II.



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Jan Kolouch, Tomáš Plesník, Radovan Iglar, Andrea Kropáčová

SOC can be one component of a cybersecurity system and is capable of significantly enhancing that security under certain circumstances. What does such a SOC actually look like, what does its operator expect from it and what do the end organisations to which SOC services are provided expect? Where are the weaknesses and risks in the overall system?

Blockchain is not just cryptocurrencies – part I.



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Otto Havle, Roman Jašek, Jakub Kozák, Věra Šmídová, Jakub Vodsed'álek

The article discusses the principles of industrial blockchain and its differences from blockchains designed for cryptocurrencies. It presents typical applications of blockchain in industry and introduces the EIA Blockchain industrial blockchain platform.

Mandatory processing of passenger name record in air transport – limits according to the Court of Justice of the EU – part I.



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Miroslav Uříčar

The Court of Justice of the EU has recently assessed the interference with privacy under the legislation of the so-called passenger name record in air transport. The court decided on the limitations resulting for the national regulations of the EU member states, in particular clearly defining the purpose of such processing, which must comply with the PNR Directive and cannot be extended. It also defined the conditions under which PNR data can be processed on flights within the EU. This was the first case in which the Court of Justice assessed legislation under the Directive on the use of passenger name record data - PNR Directive.

Cyber attack purchases in the age of cyber warfare – part II.



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Daniel Hejda

You may have heard of the dark marketplace and the underworld of the internet. You may also have heard that it is possible to buy a cyberattack for a few dollars and destroy any organization. Whether this is real and possible, we have already touched upon in the first part of the article dedicated to buying in the underworld of the Internet in the era of cyber warfare. In part two, we'll focus on actual real purchases and look at where threat actors collude and how merchants and retailers get their reparations. Finally, we'll take you inside ransomware groups and give you a sneak peek at affiliate programs and explain how it's possible to join and become part of a ransomware group.

The third round of NIST standard selection for the PQC is completed



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Jaroslav Dočkal

In July, the U.S. National Institute of Standards and Technology's third round of selection for the Post-Quantum Cryptography (PQC) standard concluded. Candidates for the fourth round have been selected. These are tools capable of withstanding a future quantum computer attack. The four selected encryption algorithms will become part of the NIST post-quantum cryptography standard, which is expected to be completed in about two years. The article discusses the details of this selection.

BCM Anthology: Continuity plans testing – part IV.



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Richard Michálek

In the fourth part of our BCM Anthology the autor will focus on how to master the testing of continuity plans. First, the purpose, scope and methods of testing are explained, followed by the overview of continuity plans testing process. Moreover, test plan, test scenario preparation, continuity Plan Testing Records and the interpretation of continuity plan testing results are discussed. The article includes a short terminology vocabulary.

Effective management of security incidents



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Lubomír Almer

Effective management of security events and incidents helps us especially when we are forced to face an active threat. In such extraordinary situations, it is necessary to act as quickly as possible and try to avoid negative consequences. And precisely by covering individual levels of management, we actively minimize risks and will be able to respond effectively to undesirable situations.

PR: CZ.NIC Comparison of different options multi-factor login

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Jaromír Talíř

Multi-factor login is a concept that almost every internet user has come across. However, there are several options and types of multi-factor login. How to know them and which one is the safest? An article by Jaromír Talíř, Technical Partner from the CZ.NIC association, provides an overview of the available options and explains the differences between them.

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5G networks – part III.



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Michal Poupa

In the first two parts, we learned about the new 5G network services, the new 5GC core with its specifics, the radio part and other aspects of fifth generation networks. The third and final part will highlight, among other things, security measures, the trust model, or possible attacks.

”In the context of the differences between the cryptocurrency and industrial blockchain, it is interesting to compare the meaning of frequently used terms. The most common terms in the use of blockchain in finance and investment include token and smart contract.”

...see the full article Blockchain is not just cryptocurrencies on page 24.