



OST

Eastern Switzerland
University of Applied Sciences

Distributed Systems (DSy)

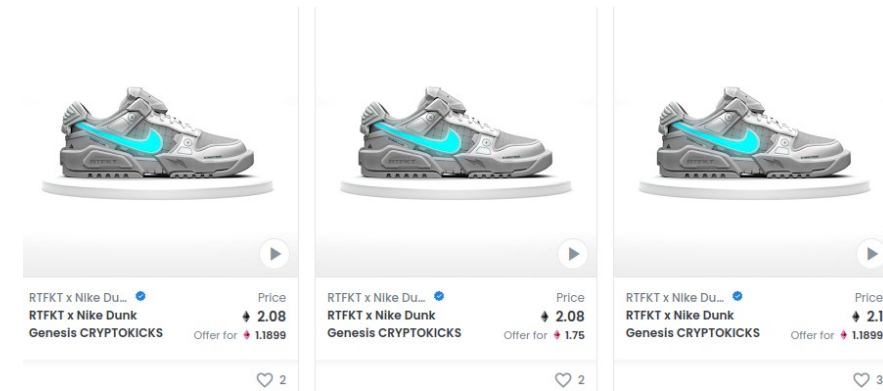
In the news

Thomas Bocek

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Distributed Systems & Blockchain in the News

- 25.04.2022: Warum millionenschwere Krypto-Hacks mittlerweile zur Normalität gehören [[link](#)]
 - One hack after the other - <https://cryptosec.info/defi-hacks/>
 - 3.2b USD stolen in 2021
 - "Die Dinge entwickeln sich so schnell, dass die Menschen nicht mehr mithalten können"
 - "Der Code ist quelloffen. Jeder kann ihn durchgehen und nach Fehlern suchen. Das ist ein großes Problem, das wir oft gesehen haben und das bei zentralisierten Krypto-Börsen nicht auftritt."
- 25.04.2022: Nike and RTFKT Reveal CryptoKicks —Their First Ethereum NFT Metaverse Sneakers [[link](#)]
 - HS21 – Students had to create NFT challenge task
 - [Opensea](#)
 - First tweet **NFT**
 - Was bought last year for 2.9m USD
 - Wanted to sell for 48m USD, highest offer 280USD



Distributed Systems & Blockchain in the News

- 25.04.2022: Vulnerability in Java Could Allow Attackers to Forge Credentials [\[link\]](#)
 - Log4Shell, Spring4Shell
 - ECDSA (Elliptic Curve Digital Signature Algorithm) signatures in Java versions +15
 - “If you are using ECDSA signatures for any of [the above] security mechanisms, then an attacker can trivially and completely bypass them if your server is running any Java 15, 16, 17, or 18 version before the April 2022 Critical Patch Update (CPU).”
- 21.04.2022: Behind closed doors, EU officials talk about banning Bitcoin [\[link\]](#)
 - Discussion about PoS and PoW
 - Interesting question: “Should it be a ban on trading in crypto assets that are based on bitcoin’s PoW?”
 - Answer is censored – due to ongoing decision making
 - **PoH?** - non-parallelizable puzzles

Ongoing
decision-
making
process -
Art 4(3) first
subpara

Should it be a ban on trading in cypto assets that are based on bitcoin’s PoW?