



OST

Eastern Switzerland
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Distributed Systems (DSy)

In the news

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Distributed Systems & Blockchain in the News

- 13.04.2022: Ethereum transition to proof-of-stake delayed again, as is tradition [link]
 - Transition from its energy-intensive proof-of-work consensus model to a proof-of-stake consensus model
 - Many times delayed
 - My opinion: unlikely in the few month after June
 - Roadmap [FAQ](#)
- 12.04.2022: Former Ethereum Developer Virgil Griffith Sentenced to 5+ Years in Prison for North Korea Trip [link]
 - “for giving a talk at a crypto conference in Pyongyang in 2019”
 - “What the judge found most damning, perhaps, was a photo of Griffith presenting at the conference, wearing a traditional North Korean suit and standing in front of a blackboard on which it read “No sanctions!” with a smiley face”



source

Distributed Systems & Blockchain in the News

- 14.04.2022: Datenverlust bei 1.500 Snapshots von Hetzner Cloud [[link](#)]
 - Speculations: “Potential reasons for such high-impact data center incidents include hacking of unprotected data center management systems, catastrophic backup errors, physical disasters such as fire, or simply the unfortunate coincidence of multiple hardware failures at the same time.” [[source](#)] - citing Golem.de
 - “kam es zu dem äußerst seltenen Fall, dass nach dem nahezu gleichzeitigen Defekt zweier HDDs während des Rebuilds eine dritte Festplatte ausgefallen ist”
 - Erasure Coding / Ceph
 - e.g., [Reed Solomon](#)
 - Google ColossusFS and Facebook HDFS use two different Reed-Solomon codes (Erasure Codes) - RS(6, 3) and RS(10, 4)
 - “Hetzner lost customer data and gave 20€ as compensation” [[source](#)]
- 17.04.2022: Beanstalk is a credit based stablecoin protocol that was hacked for ~\$80 million an hour ago [[link](#)]
 - “flashloan-ing enough collateral to become a supermajority voter and create a proposal(BIP) to effectively rug the protocol all in 1 tx”
 - Funds already sent to [Tornado Cash](#)
 - 3rd DeFi [hack](#) this [month](#)