Distributed Systems & Blockchain (DS1)

In the news

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Distributed Systems & Blockchain in the News

- 28.05.2021: BitTorrent Creator's 'Green' Cryptocurrency Accused of Burning Through SSDs

  - "Ultimately, it works by filling up countless hard drives with useless data, and the more drive space you fill up, the more potential rewards the network hands out. This approach is supposed to be more environmentally friendly than Proof of Work because it doesn't have the vast energy consumption demands of powerful GPUs or specialized mining rigs."

  - High writes = wears out (MLC/TLC 1000-3000 write cycles) "Do not buy a QLC drive to mine Chia" – plotting –only once? But still writing constantly

  - 19.05.2021: Hetzner cloud server provider bans cryptocurrency mining

  - 1TB SSD every 3 seconds

- May 2021: RFC 9000, QUIC: A UDP-Based Multiplexed and Secure Transport

  - Soon HTTP/3

  - QUIC separated from HTTP (QUIC != HTTP/3)
    - Based on UDP
    - QUIC to replace aging TCP
    - Security by default
    - Speed up connection handshakes

  - 27.05.2021: Fastly: QUIC is now RFC 9000

  - 28.05.2021: Cloudflare: QUIC Version 1 is live on Cloudflare
    - 12% of Internet traffic is HTTP/3

OST