



**OST**

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# Distributed Systems & Blockchain (DS1)

**In the news**

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# Distributed Systems & Blockchain in the News

- 19.04.2021: What is Chia cryptocurrency — and why is it bad news for hard drives?
  - Mainnet live, not traded yet – 19.03.2021
  - GPUs used by miners, now SSDs?
  - Less energy-intensive – “green”
  - Proof-of-space: prove that you store puzzle data on your SSD/HDD (Sia stores useful data)
  - Proof-of-time: crypto puzzle, but not parallelizable - Verifiable Delay Function
    - Some call it Proof-of-history – Solana
    - 1999: Time Capsule Crypto-Puzzle – estimated 35 years to solve it (Moore’s law) – 2034
      - Solved in 2019
- 30.04.2021: «Disaster Girl» für 374’000 Franken verkauft – und weiter crazy NFTs
  - More mems sold
- 29.04.2021: Say Hello to Web3 as Opera adds Native Support to Unstoppable Domains
  - Domain name as NFT, your browser needs to be connected to a blockchain
- 29.04.2021: Feds arrest founder of bitcoin ‘mixer’ they say laundered \$335 million over ten years
  - Bitcoin Fog – Bitcoin addresses correlation – wash money you need a mixer, or use Monero
- 29.04.2021: Why We Built Our Own DNS Infrastructure

**USE  
WEBHOSTING WITH  
INTEGRATED DNS**



**USE AMAZON  
ROUTE 53**



**RUN YOUR  
OWN BIND DNS**



**WRITE  
YOUR OWN  
DNS SERVER**

