



OST

Eastern Switzerland
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Distributed Systems (DSy)

In the news

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Distributed Systems & Blockchain in the News

- 27.05.2022: On-Chain Forensics: Demystifying TerraUSD De-peg [[link](#)]
 - “The de-peg of UST could instead have resulted from the investment decisions of several well-funded entities”
 - 1) Analyzed the transaction flow in and out of the Curve lending protocol
 - 2) i) observed any transactions across the Wormhole bridge
 - ii) outflows of UST from the Anchor protocol
 - iii) sale of UST and USDC on centralized exchanges
 - 3) Combination: “identified a list of seven wallets most likely to have played a significant role in the UST de-peg”
- 30.05.2022: Algorithmic stablecoins are provably impossible without continuous funding [[link](#)]
 - “Two thought experiments to evaluate automated stablecoins” [[link](#)]
 - “Since both parties must be compensated for the risk they assume, neither party can make the other whole without assistance from the outside world”
 - “Continuous funding must come from the Outside World”

Distributed Systems & Blockchain in the News

- “In the event that the funding comes from new entrants into the Stablecoin/Insurer ecosystem, the system is definitionally a Ponzi Scheme and is unstable”
- 29.05.2022: State is hard: why SPAs will persist [\[link\]](#)
 - SPA vs MPA
 - “Managing state is one of the hardest things about writing software” → for free with SPA
 - But, with SPA memory leaks, and bugs due to state
- 29.05.2022: Graviton 3: First Impressions [\[link\]](#)
 - Not much details, CPU used in AWS clouds, 64 cores, 55b transistors (M1 Ultra 114b)
 - “Graviton 3 is the highest performing, widely available ARM CPU in the cloud”
 - “But I don’t expect Graviton 3 to match AMD and Intel” → But AWS can offer it at lower prices