



OST

Eastern Switzerland
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Distributed Systems & Blockchain (DS1)

In the news

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Distributed Systems & Blockchain in the News

- 18.02.2021: [Nvidia Limits RTX 3060 Hash Rate, Unveils New 'Cryptocurrency Mining Processor' Line of GPUs](#)
- 10.03.2021: [Cryptominers have already cracked Nvidia's RTX 3060 hash rate limiter](#)
 - 40-45 MH/s but dropped to 20-25 MH/s
 - “Crypto miners will now rush after the GeForce RTX 3060 graphics cards considering they deliver the same hash output as the RTX 3060 Ti and close to the RTX 3070 with a much lower power draw”
- 12.03.2021: [Vitalik escalates ETH 2.0 merge as miners plan a 51% attack](#)
 - Controversial [EIP-1559](#) proposal (~[July](#))
 - First price auction: inefficiencies of first price auctions
 - Base fee: increasing when blocks are above gas target and decreasing when below
 - Base fee is burned! → less supply
 - Inflationary / deflationary
 - TX fee: base fee + inclusion fee
 - [Choose your Mining Pool](#): 51% against it – [support](#) website [5:24]
 - [Quick merge](#): quickly moving to proof-of-stake

Distributed Systems & Blockchain in the News

- 09.03.2021: [Building a high-scale chat server on Cloud Run](#)
 - Scalable chatroom with WebSockets: stateless
 - “Currently 250 clients can connect to a single container” → 1000 instances
 - Price estimation: 250k connections: 63k USD
 - “mid-size virtual machines can handle the same load, potentially 50x cheaper”
- 09.03.2021: [Optimierung Container-basierter Java-Anwendungen](#)
- 10.03.2021: [Fire Has Destroyed OVH’s Strasbourg Data Center \(SBG2\)](#)
 - [“We recommend to activate your Disastery Recovery Plan”](#)
 - [Netcraft](#): 3.6 million websites taken offline, more than 18% of the IP addresses attributed to OVH
 - [Possible faulty UPS](#)



https://twitter.com/aris_ada/status/1369584722066743301/photo/1