



OST

Eastern Switzerland
University of Applied Sciences

Distributed Systems & Blockchain (DS1)

In the news

Thomas Bocek

18 April 2021

Distributed Systems & Blockchain in the News

- 16.04.2021: [QUIC and HTTP/3 Support now in Firefox Nightly and Beta](#)
 - QUIC, encryption by default, 1RTT, lecture 2
 - “HTTP/3 will be available by default by the end of May” – (version 27-32)
 - QUIC also provides connection migration
 - Change IP, no disconnect
 - Indicate HTTP/3 via [DNS](#)
 - svc4.example.net. 7200 IN SVCB 3
svc4.example.net. (alpn="h3" port="8004"
echconfig="...")
 - Echconfig, used for TLS handshake (no perfect forward secrecy!)
- 13.04.2021: [A New Threat to New York’s Clean Energy Goals: Bitcoin Mining](#)
 - Gas power plant back online after 7 years to mine Bitcoins – 106 MW

[\[Docs\]](#) [\[txt|pdf|xml|html\]](#) [\[Tracker\]](#) [\[WG\]](#) [\[Email\]](#) [\[Diff1\]](#) [\[Diff2\]](#) [\[Nits\]](#)

Versions: [\(draft-shade-quic-http2-mapping\)](#) [00](#)
[01](#) [02](#) [03](#) [04](#) [05](#) [06](#) [07](#) [08](#) [09](#) [10](#) [11](#) [12](#)
[13](#) [14](#) [15](#) [16](#) [17](#) [18](#) [19](#) [20](#) [22](#) [23](#) [24](#) [25](#)
[26](#) [27](#) [28](#) [29](#) [30](#) [31](#) [32](#) [33](#) [34](#)

QUIC
Internet-Draft
Intended status: Standards Track
Expires: 6 August 2021

M. Bishop, Ed.
Akamai
2 February 2021

Distributed Systems & Blockchain in the News

- 15.04.2021: [#12244294 block mainnet issue #353](#)
 - Geth / openethereum out of sync
 - Ethereum has 2 reference clients, one in go one in rust, both must always calculate the same result
 - Ethereum is evolving, [EIP2929](#)
 - “Hotfix for berlin consensus error.”
- 12.04.2021: [Deep dive in CORS: History, how it works, and best practices](#)
 - Lecture 4
- Cross-Origin Request Blocked: The Same Origin Policy disallows reading the remote resource at <https://example.com/>
- Access to fetch at ‘https://example.com’ from origin ‘http://localhost:3000’ has been blocked by CORS policy.
- 26.04.2021: [Dogecoin spikes 400% in a week, stoking fears of a cryptocurrency bubble](#)
 - [Dogecoin](#) is a cryptocurrency based on the [“Doge” meme](#)
 - [Grumpy cat NFT meme](#) sold for 44.2 ETH (107k USD)
 - Market cap ~38b USD, [top-10](#)
 - [Elon Musk?](#)