



**OST**

Eastern Switzerland  
University of Applied Sciences

# Distributed Systems & Blockchain

**In the news**

Thomas Bocek

07.10.2022

# Distributed Systems & Blockchain in the News

- 07.10.2022: Attacker stole 2 million BNB (~\$566M USD) from the Binance Bridge [\[link\]](#)
  - Bug in verified proofs (~merkle tree) in the Binance Bridge

- 03.10.2022: Millions in Cryptocurrency Vanished as Agents Watched Helplessly [\[link\]](#)
  - Feds seized in 2020 ~310m Bitcoins from Larry Harmon
  - first time anyone had been charged with crimes related to “mixing”
    - enhances privacy vs. prevent law enforcing
  - Most likely, his brother has access to the secret seed phrase
    - 519 BTC transferred to mixer

```
attacker-->0x0a0d20066961766c3a76120e00001003802000000010dd85c1af201f0010aed010a2b8002100318b091c73422200c10f902d266c238a4ca9e26f9bc36483dc3ebec4e263012f5e740c22e4d20a40  
801100218b091c7342220e4fd47bffd1c06e67ead92b2b9fca3631978676288a2aa99f95c459436ef632a20da657c1ff8b6c684cb3e265361ef0fa49df9a570b45f9f91c5eb6ad84b21a4d112081a370a0e00001003802  
00000000000002122011056c6919f02d66991c10721684a8d1542e44003f9fbb47032c18995d4ac7f18b091c7341a340a0e000010038020000000010dd85c12202c3a561458f8527b002b5ec3cab2d308662798d6245  
d45884e6a8ebdfc30ac18010ad4050a0a6d756c74697346f726512036962631ac005e050abb050a110a066f726163c6512070a09508b891c7340af0a04d6d1696c12070a09508b891c7340a350a08736c617368696e67  
12290a2708b891c734122028c8c3f41ee6695e7e1cb0ce4bf347eeabcc16947d8b4e934ec400b5359d6f860a380ab61746fed69635f737610712290a2708b891c734122042d4cc9468f71a70288a9546564bfc4f2c9f8  
11051dc5934be1f52976010a10a0662726964676512070a09508b891c7340a300a364657812290a2708b891c73412201773be443c27f61073ccdd059ce22e4b990c54679089e90a4c4e0e8182a230a2f0a02736312  
290a2708b891c7341220df7a0484b7244f76861b1642c07a614923794bd2e076c80b005f0c4e29f3a030a06746f60656e7312208a2708b891c734122064958c2f76f6f1f5d1829296e51264c259fa264f499724795a  
740849f472110a320a0572745106512208a2708b891c7341220150e3c02143d4f02945e48301cc3b54c4df77ec8814df5c4e1550468f19a00a380a08706172616d7312290a2708b891c734122050abdd476115123a5  
a4247613ab39e8e935a3d44f4b9123c4fedf0895c040a0a300a0361636312208a2708b891c734122079fb5eac4a8847e5621103aff5e515a1bdf3d036d90a73e087908b7f1f260a0e0a376616c12070a09508b891c73  
40a300a0369626312290a2708b891c7341220a9159530858545058c-f1785f411ea44230f39334e0e0f6a3c54dfb069d42628a300a03676f7612290a2708b891c73412208d85d4d37470983b14186e975a175df4b08f30184  
3d6e85cedbaef18d284e0428a32a0a5706169727312290a2708b891c7341220a78b556bc9e73886bc4c3eaf146db71b12a80c410dd8ce6e09c99b0c7cfe0a360a0974696d055f6c6f63b12290a2708b891c73412204  
775dbe01d41cab018c21ba3ca94720e4d7119af693670e70a40a2a52143
```

```
legitimate-->0x0af809a0066961766c3a76120e00001003802000000010dd9951add09db090ad8090a2f081910df8ab90818add791810122206a972442231c:dcdb083f53f5b6e7d1364d01a7c3e39481a393663421d9d  
91e730a2f0818108dcba0518add7918101222015e9258171954de124eac4a73471c85a218d1b4f30ab6046123df9b143e100a2f0817108d8cbb0218add79181012220653ec39056ee07cd6122664c235a5bbe74179  
6e9beb0090b651f1881aa6af0a2e0816108d8c7c18add7918101222010da239ec014e3708bb639a4a6ac659bf0a5775e01fb061ba47489f5a70a1e590a2e0815108d8c4c18add7918101222016d590ab6e451029d6e0fe2e4  
14519bad0722c7960915b09709a8d79489e689f0a2e0814108d8c1c18add79181012220654d42435b893a6ef3d3c3226dc3d8f6298b50765c14401717ccee9d479b1740a2e0813108d8c1018add7918101222066c4e2110  
73542bdfbe41b7ff3c97733e132e8e830758557252e2080a70660a2e0812108d8c0a18add79181012220b6a5146adcbf69dbaa54d0ae78b2881bbe49a1550a7848a2a15c0bd8c72a10a2e0811108d8c0418add791810  
12a20b209c6eac3c38eedec790ba4a4c4ba128e6ee9508c12890fa6f8203f6c8f40a2e08101097b50218add791810122205ea9f3914db297bb2a2167c73b48d65ef750412881a41b26431b505c1b0807120a2e080f1097  
b50118add791810122206edc69967bdccfa5341c641bd114685664731b6fbc1eb5ae0255e566809ae1c0a2d080e10977518add79181012220245256c699761062ee2623275281453bf60d087e638fe01d7cfc2cc042f  
20a2d080d1097318add791810122202ed28f77b2939b6de5947f76be014455a91b158fbee88c8f6428b85121a2d080c10971518add7918101222092e4d0656d3de32a6b45130a914b7865767be08c2d769e2  
24edf3c4bf0a2d080b10970d18add791810122200de250a57819ad357b8972695ff6337f644a819721f6d2117a4d50c4621060a2d080a10970518add79181012220a7fa050ae91565255cda8521ba637338347e510a  
68dc:b0679668e6d99f8c0a2d080910970318add7918101222062f2ef3e00fa1b0eae0f9b4cddac422f9f9ead2b1a92c5022823c243f89a70a2d080810970118add79181012220b49a3e4516d9c7637db05e9b5bec1  
0c4946f0ae459a2c2f2bee585d5e600e90a2c0807105718add79181012220c106ff7b668bd430bf7db85c1c7c18f3967340fdda01c423c950ad9c00b2b0a2c0806103718add791810122206e0d46a8f26ab6d3b18c5  
54112eb26f4d207c3bea6e5db73ca8e8577356e50a2c080510718add791810122203954da4fabec5c800200c96765674209e5d5da5e82385c1f4c18f745f29a100a2c0804106f18add7918101222065d0eb38ee671d1  
9a57933805ced1d5e4f2c08b3d4b04452ab4857b070a1c0803100718add791810122200e910b66df8577c20b484b5573a2204f4e994304fd06a8244f8043a00a2c080108310a0e000010038020000000001  
0c0bfc5ced0bf71e1f72c2e6fbf9f32cb785390b30b612850d2c0801100218add791810122201068d4f0e537a623f0245091e9644acdbcc4974e0148d8c0875442c35hd6313a300a0e000010038020000000001  
0d09951220513802e26f654d11d0e95c745913517a1b7c1ca7c913c8eae6f31595436018add79181010a090a06ad6f75c746973746f726512036962631ac06a0e0a087060100a04d6d1696c12080a0e08bd0791810  
10a310a03616363122a02808bd079181012204ba2ce0e089e133ae08b02c3206ff22c71b07ec948874c2f2a552bafad0730a390a0b61746fed69635f73761071220a2808bd07918101220e5ee1108951f350634  
cb29f912258ebec5f9a2c34b757e5bdfcf60f97a1f0af0a037661c12080a0608bd079181010a340a06706172616d73122a0a2808bd07918101220232f8353abab0488611c1fd2db289c43379a086829eb101d6  
bccdf8f40a340a06746fb056e72122a02808bd079181012206c7295786bc7e71151b2c8fae1da0e04dffd63019c12cab2c93e005c70a180a0c374616b655f7265717621a2080a0608bd079181010a330a05  
7347616b65122a0a2808bd07918101220e91e81d3451c953980efc1948c4d6ca2e8c3b9855c584b2afadfe20a06a310a03696263122a0a2808bd079181012208b8d60c1a155c4326f5559b76910d8c40659e  
73a1041cbf25162c476d707a310a03646578122a0a2808bd07918101220a83f009953645e8b594ddccf32ceaf235d7c17b0e3a9bfa94d4f4b49e768da0300a027363122a0a2808bd079181012200c1bc6c5a4747f78  
cb2a1972bde04d65d8f85abe0247a287754c4d51d660a370a0974696d055f6c6f636b122a0a2808bd07918101220d73dee2cd61a123714c3e9f8f820706fa270cd290257d629508c29a870500a340a066272696  
46765122a0a2808bd079181012201696f48f0831247582113c127454c8dfda3c7e7d59f87b5dbca34328928f000a10a0367f6122a0a2808bd07918101220bc32151659d2d6974d258a0c2e7a5c6b3d3dda375c6  
c634f5d8d1dedf4c00a360a08736c617368696e67122a0a2808bd07918101220399a042431f0ad8f1b048719aef9a1357446154ea2c59bee1143d4d17bbe0a120a066f726163c6512080a0608bd079181010a330a0  
57061697273122a0a2808bd0791810122079420c2e688893f82d05a07633a5f6fb9f4c8110695034460c7662b2ea5c9
```



# Distributed Systems & Blockchain in the News

- 06.10.2022: South Korean foreign ministry orders Do Kwon to return his passport [\[link\]](#)
  - 6 orders for Terraform Labs employees
  - Do Kwon: not contacted by any authorities regarding any investigation
- 05.10.2022: OpenSea to allow users to submit bulk NFT listings and purchases [\[link\]](#)
  - List and buy up to 30 items
- 03.09.2022: Central banks can push DeFi into mainstream — Swiss National Bank official [\[link\]](#)
  - “Algorithmic stablecoins would also not entail counterparty risk, but so far, we have not seen successful algorithmic stablecoins”
    - need continuous external funding [\[link\]](#)
- 05.10.2022: Three Arrows Capital’s NFT collection to be liquidated [\[link\]](#)
  - Customer of Voyager [\[link\]](#)
  - 300 NFTs for \$35m USD
- 05.10.2022: Lugano will Krypto-Hauptstadt werden – bei McDonald's kann man neu mit Bitcoin bezahlen [\[link\]](#)
  - In combination with crypto [conference](#)
  - Funding of crypto startups with 100mio (sponser: Tether)
- Aug 2022: NSA: Kubernetes Hardening Guide [\[link\]](#)
  - Recommendation summary