A permissioned blockchain prototype facilitating banking record interoperability

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Declaration

Test text

Abstract

Acknowledgements

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Background Literature

2.1 Defining Blockchain Technology

2.1.1 Background

Blockchain technology reaches back far further than the inception of Bitcoin, and we can see some of the first implementations stretching back as far as 1998. In a 1998 white paper titled bmoney we see some of the earliest building blocks of cryptocurrencies and the adoption of blockchain technologies (Dai 1998).

2.1.2 Types of Blockchains

Permissionless

Permissioned

Consortium

2.1.3 Blockchain Components

Cryptographic Hash Functions

Transactions

Asymmetric-Key Cryptography

Addresses

Ledgers

Blocks

Chaining Blocks

2.1.4 Consensus

Proof of Work (PoW)

Proof of Stake (PoS)

Delegated Proof of Stake (DPoS)

Proof of Elapsed Time (PoET)

Practical Byzantine Fault Tolerance (PBFT)

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Bibliography

Dai, Wei (1998). *Bmoney*. URL: `http : / / www . weidai . com / bmoney . txt` (visited on 08/18/2022).

Appendix A

Appendicies