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Across

1 The hosting of payment information on an electronic device. (7,6)

3 Any entity or person that is relied on to report the outcome of an event. (6)

4 A type of token that is a unique digital asset and has no equal token. (3-8,5)

7 Splitting the entire network into multiple portions. (8)

11 The programming language developers use to write smart contracts on the Ethereum network. (8)

12 A cryptography tool that turns any input into a string of characters that serves as a virtually unforgeable digital fingerprint of the data. (4,8)

15 A measure of the computational steps required for a transaction on the Ethereum network that then equates to a fee for network users. (3)

16 An offline wallet that is never connected to the internet. (4,7)
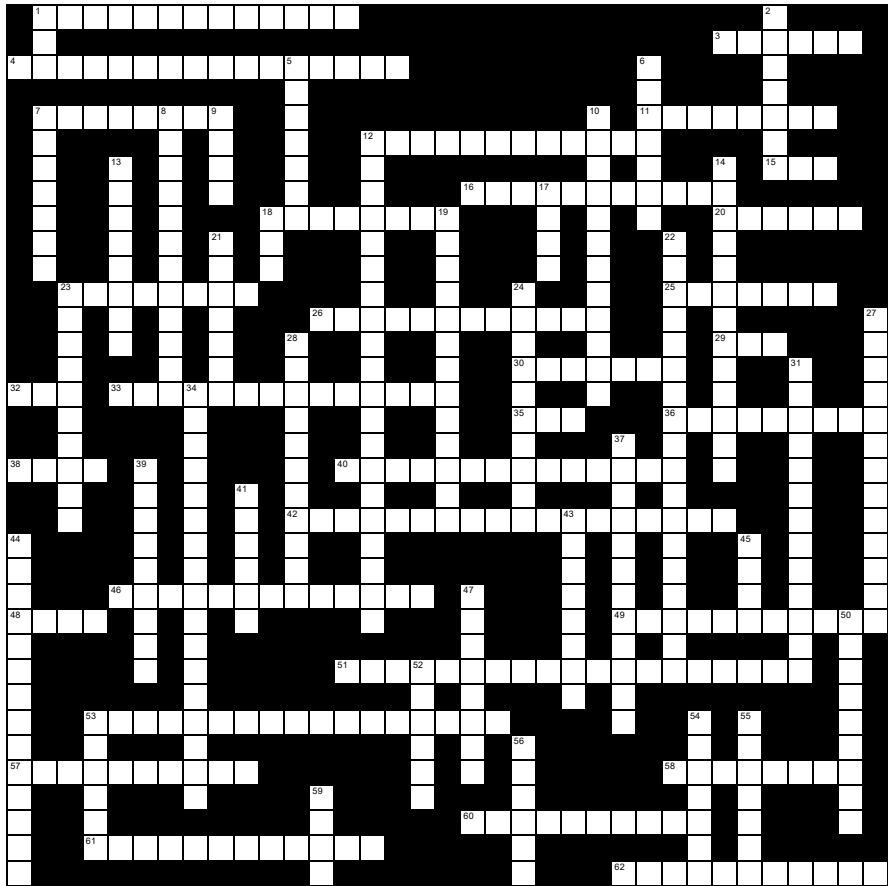
18 An open source, decentralised platform based on blockchain technology created by Vitalik Buterin in 2013. (8)

20 Cryptocurrency platform designed as an international payment system helping banks quickly move large amounts of money internationally. (6)

23 A crypto-asset wallet that requires multiple keys to access (abbr.) (8)

25 Any party or entity which hosts an off-chain orderbook. (7)

26 An algorithm that rewards participants that solves difficult cryptographic puzzles to achieve distributed consensus. (5,2,5)

29 Acronym for a Bitcoin lightweight clients which do not download and store the whole blockchain locally. (3)

30 A digital currency created by Satoshi Nakamoto in 2009 (7)

32 Acronym for existing laws or procedures meant to reduce illegally obtained income. (3)

33 A virtual, decentralised system of money. (14)

35 Acronym for group of Ethereum core developers,

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startups, and large companies working together to commercialise and use Ethereum for different business application (3)

36 A list of interested participants in an ICO, who registered their intent to take part or purchase in a sale. (5,4)

38 A change to the way a blockchain's software rules define valid transactions, or blocks. (4)

40 Any machine that can calculate on a level equal to a programmable computer. (6,8)

42 A blockchain network in which access to ledger or network requires approval from an individual or group of individuals. (12,6)

46 Used to send and receive transactions on a blockchain network. (6,7)

48 Acronym for the economic paradigm shift enabled by decentralised technologies,

particularly blockchain networks. (4)

49 The number of blocks connected together in the blockchain (5,6)

51 A type of fundraising which uses tokens. (7,4,8)

53 A situation that causes the validator's deposit to be destroyed when they trigger it. (8,9)

57 A method for securing computers in which the device does not connect to the internet or any other open networks. (3-7)

58 A set of rules that dictate how data is exchanged and transmitted. (8)

60 An informational document that generally informs readers on the philosophy, objectives and technology of a project or initiative often provided before the launch of a new coin or token. (10)

61 The process by which real-world assets are turned into something of digital value. (12)

62 A scheme in which the development team (or short-term traders) hypes up a project without fundamental basis in order to drive up the price of the tokens temporarily and then sells their holdings immediately after launch to earn a profit. (4,3,4)

Down

1 Acronym for a blockchain-based company. (3)

2 The process by which the number of bitcoins generated per block is decreased 50% every four years. (7)

5 An alternative blockchain developers use to test applications in a near-live environment. (7)

6 An acryonym for zero-knowledge succinct non-interactive argument of knowledge. (2-5)

7 A testing programme for new fintech business models that are not protected by existing regulations. (7)

8 The inability to be altered or changed over time. (12)

9 A minuscule and common denomination of ETH. (4)

10 This money comes from a centralised location such as a country or government. (4,8)

12 A validation model that utilises a combination of PoS and PoW consensus. (6,9,5)

13 A gaming and wagering platform that uses blockchains. (8)

14 The process of converting a data structure into a sequence of bytes. (13)

17 Acronym for open source, software application with

backend code running on a decentralised peer-to-peer network rather than a centralised server. (4)

18 Acronym for proto-standards for the Ethereum platform, including core protocol specifications, client APIs, and contract standards. (3)

19 Financial transactions typically involving a very small amount of money. (13)

21 The primary network where actual transactions take place on a specific distributed ledger. (7)

22 A method that enables one party to provide evidence that a transaction or event happened without revealing private details of that transaction or event. (4,9,5)

23 A data structure in which a single hash code function splits into smaller branches. (6,4)

24 Any cryptocurrency pegged to an asset like gold. (10)

27 A self-executing piece of code that allows the processing and verification of a transaction. (5,8)

28 The event during which someone in the Bitcoin network tries to send a specific bitcoin transaction to two different recipients at once. (6,5)

31 Functioning by itself, not controlled by any other party other than itself. (4-9)

34 A distributed ledger that has a closed network where participants are controlled by a single entity. (7,10)

37 The first block of data that is processed and validated to form a new blockchain. (7,5)

39 A participant in Proof of Stake consensus. (9)

41 A reward that's paid for the completion of a given task. (6)

43 A cryptocurrency with a value of a fraction of a pence used by the Reddit community for fundraising and tipping. (8)

44 A physical device that can be connected to the web and interact with online exchanges, but can also be used as for offline storage of cryptocurrencies. (8,6)

45 A cryptocurrency that specialises in privacy, anonymity, and speed of transactions. (4)

47 A cryptocurrency designed to add more features on top of the Bitcoin foundation. (8)

50 A cryptocurrency storage mechanism that is directly connected to the internet at all times. (3,6)

52 A cryptocurrency that keeps the consistent value of a currency issued by a country or government. (6)

53 The process where the block size limit on a blockchain is increased by removing digital signature data and moving it to the end of a transaction to free up capacity (abbr.). (6)

54 A token distribution method used to send cryptocurrency or tokens to other accounts in a blockchain network. (7)

55 A category of cryptocurrencies that are an alternative to bitcoin. (7)

56 A process where transactions are verified and added to a blockchain. (6)

59 Acronym for a silicon chip used to perform a calculation to find values that provide a desired solution when placed into a hashing algorithm. (4)