

Explaining the blockchain

Hash is a unique number calculated for each block. The hash for a block is derived from the transaction data in that block and the hash from the block before.

Block 1

Block 0 hash: 0F9A8B2C

Scott pays Matteo \$5
Matteo pays John \$2
Matteo pays Amy \$1

Block 1 hash: 006E29D1

Miners calculate the hash within each block.

Each block is made up of a series of transactions.

Block 1's hash connects to block 2.



Block 2

Block 1 hash: 006E29D1

Jack pays Jill \$15
Jill pays Sam \$7
Mario pays Jill \$1

Block 2 hash: 00912B34



Block 3

Block 2 hash: 00912B34

Chris pays Jon \$18
Amy pays Scott \$2
Jill pays Amy \$100

Block 3 hash: 00BC2FE1

Blocks are correct when the hash begins with a series of zeroes.