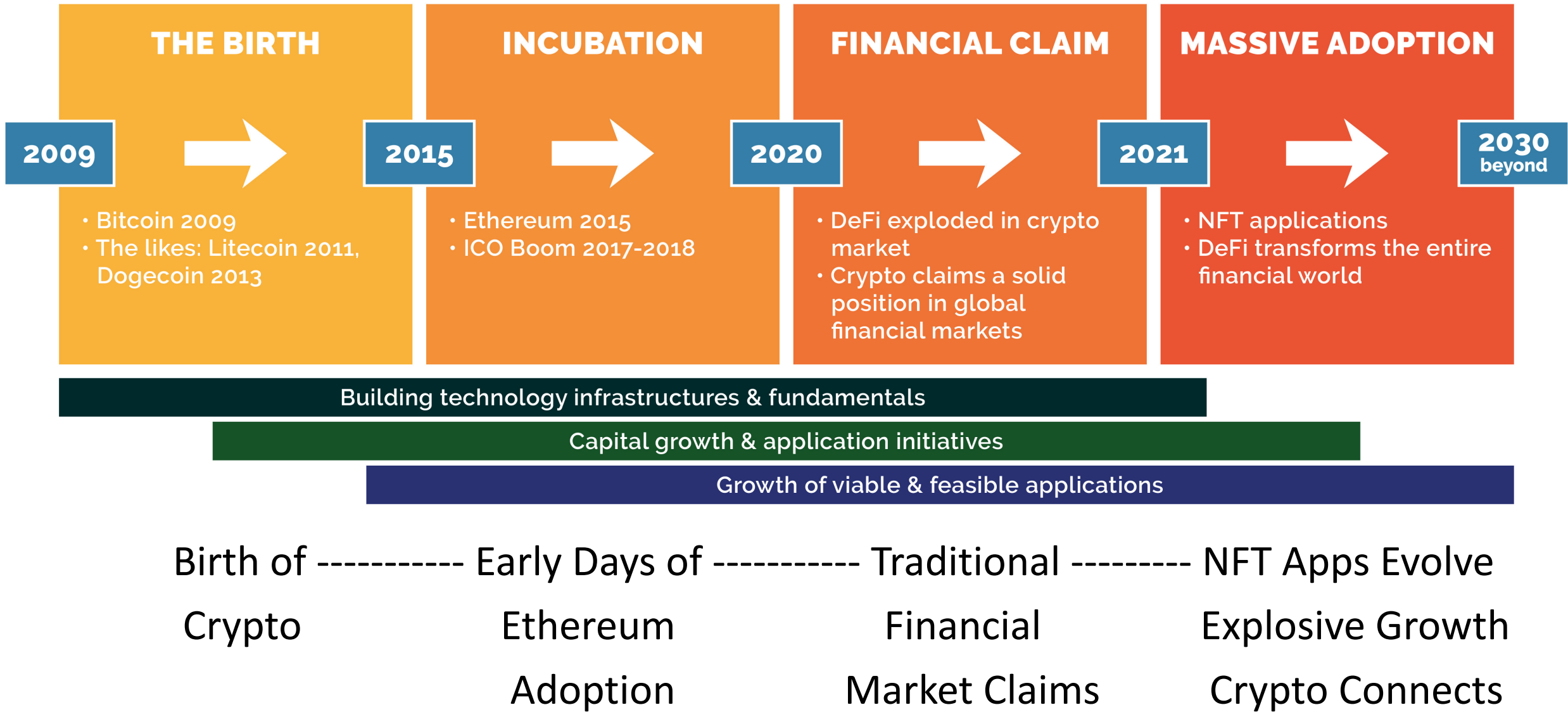




FAST**LAUNCH**

TRADING



The Fundamentals of Crypto

Module 1

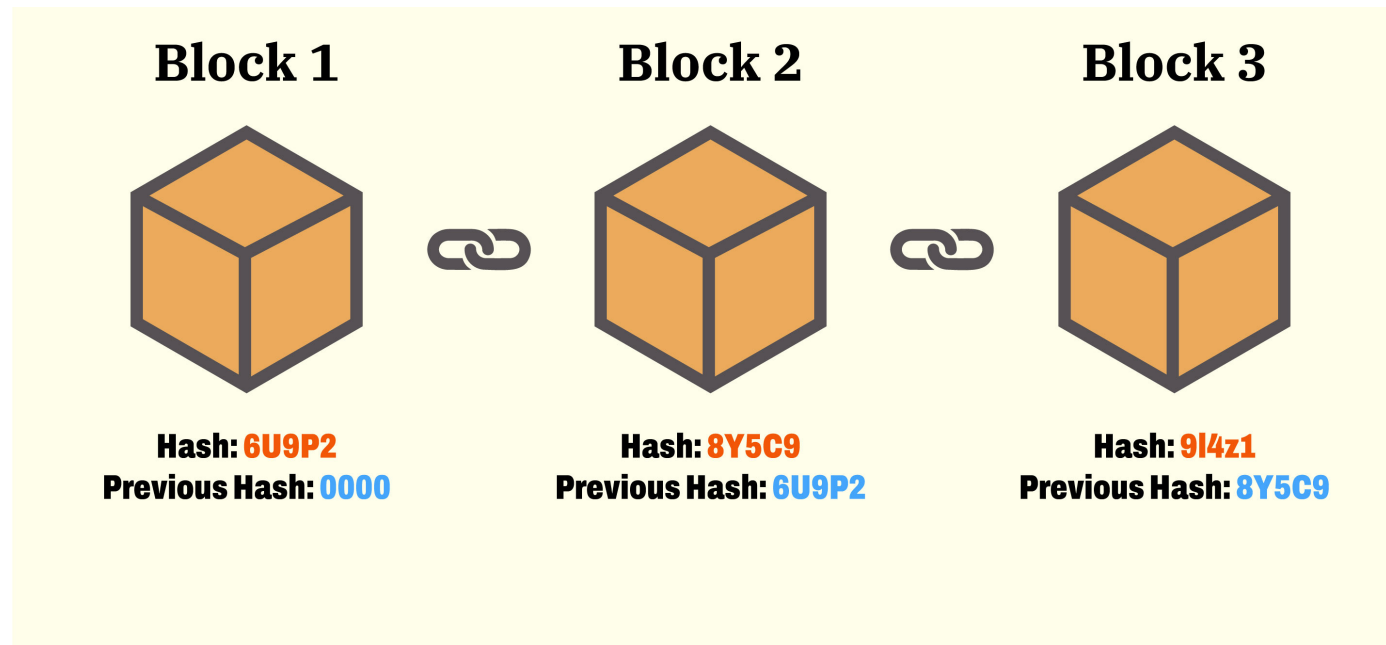
Agenda

- What is blockchain
- What are the current uses



What is a Blockchain?

Blockchain is a type of shared database that differs from a typical database in the way it stores information. Blockchains store data in blocks that are then linked together via cryptography.



What is a Blockchain?

As new data comes in, it is entered into a fresh block. Once the block is filled with data it is chained onto the previous block, which makes the data chained together in chronological order.

Block 0xaf013c45

```
0 11101010 00 011000 010010 010
1010010 0100110001 1101001101011
110 10 1101 01 1100100111 1100
0 010100001111011000010 010101010
10 10 10100101001001 0110 001
11101000110000100 1000010111001001
1110 001001 0100 011000 1010 1
100010100010011 0110 1101100110011
1100111 00 0101 1101 011010 11
001 1000 00 0110 001100101010 0
110100101101110 0110 00 1011 001
1 0010 0001 01011100100111 0100
01 011001010101 001100 1001001
010 10 010011 0110001001100101011
11110110 0100 101101 000011101
101001011011 010100 11011101 01
100 01 01 00011111001100 0010011
001110 10010100 11 0010 00010
0001001 10111101 110011011101001
10 01 010010010010 1001 11 011
```

Block 0x43a5fc78

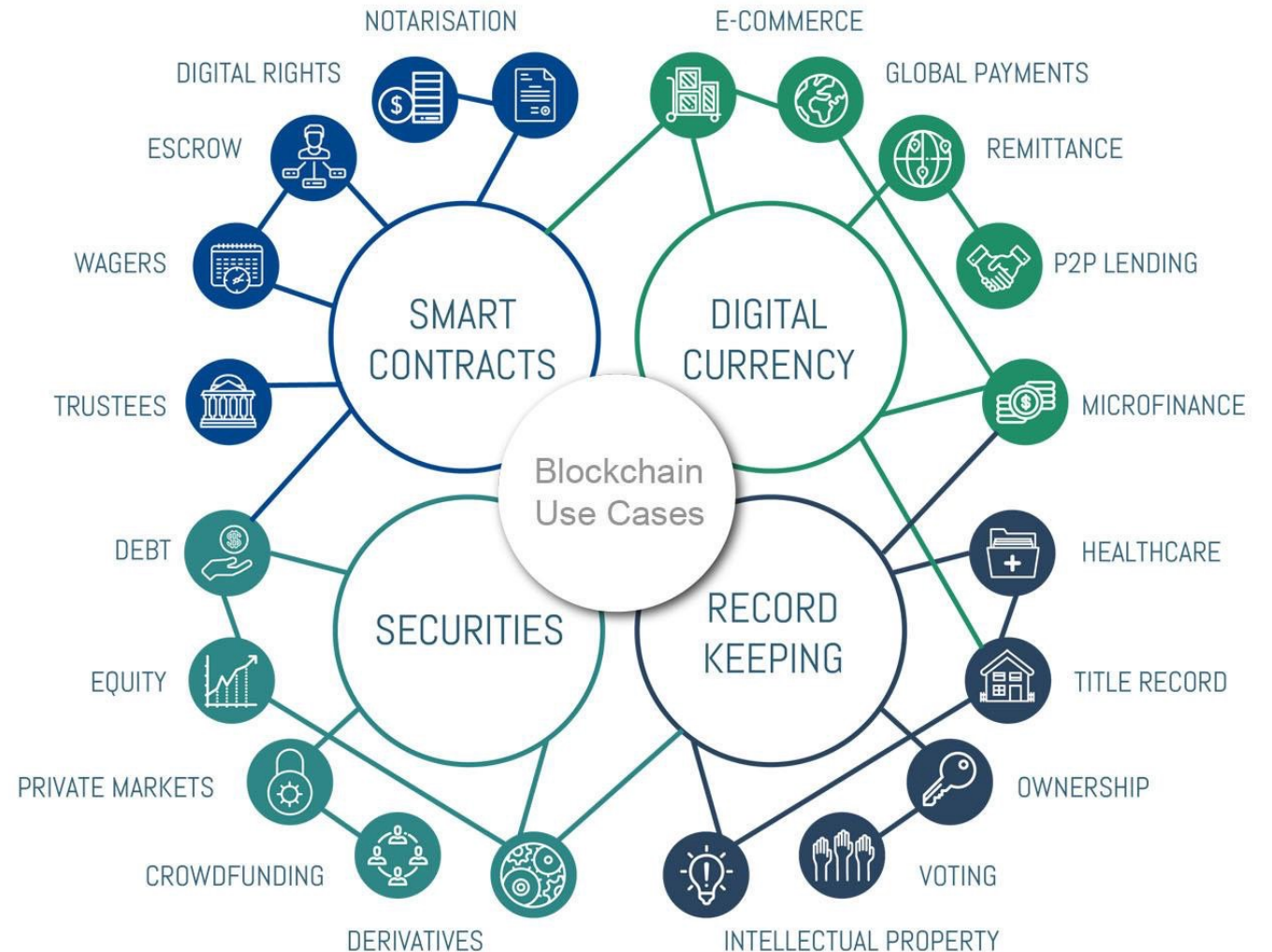
```
100100011 0100 11101010 00 01100
101 00 110101010010 0100110001
10011000100 0110 10 1101 01 110
0 00 11001100 0101000011110111000
100 00101100 10 10 1010010100100
0100 10 01011101000110000100 100
100101110010 1110 001001 0100 0
101010100 110100010100010011 0110
010001 10 01100111 00 0101 110
001 001100110001 1000 00 0110 0
010000110 0110100101101110 0110
0101 00 0101 0010 0001 0101110
0111100100100 0100 011001010101 0
011 100011 0010 10 010011 01100
0010101110010001 11110110 0100 101
0 0111 00 101001011011 010100
1000010001110100 01 01 000111110
0 11 10 01 001110 10010100 1
00011000101 10001001 10111101 110
00 01 1001 10 01 010010010010
```

Block 0x10e6c7a9

```
01101 0000111011 01010001 0110010
0 11011101 01 001001 0101 00
1001100 0010011011110111 1000 100
11 0010 000100 0101 00 0110 1
100110111010001 00 010001010110001
0 1001 11 01110010 10100001 00
011 00110101 00 11011001010101010
00010 10100101 010110 0001 11 1
1 11 10111 1011 011101 011001
001011001 0101 010000101101 00 0
000 010010 0100 100100 01 11001
110100110101110100 1101 011101
100100111 1100 11 01 00010111001
00010 0101010100 100111 11 10 0
001 0110 001000 100000 011100
000010111001001 10010010000111 010
011000 1010 10 01 1011 00 100
0 1101100110011001 00100110 11010
101 011010 11 01010011 0011 010
001100101010 001111011001 1001
```

Use cases of Blockchain?

Different types of information can be stored on a blockchain but the most common use so far has been as a ledger for transactions.



What is a Blockchain?

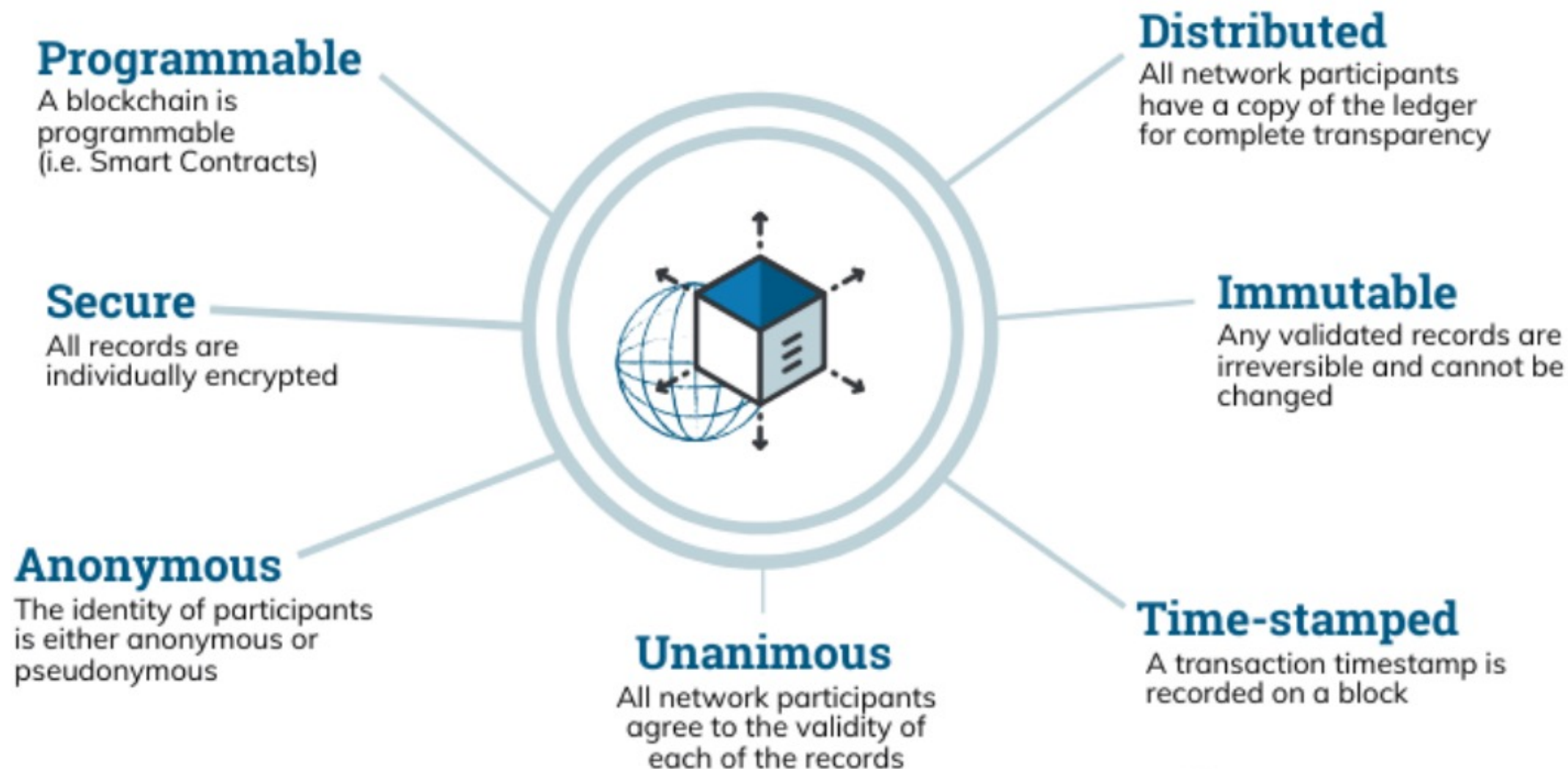
Decentralised blockchains are immutable, which means that the data entered is irreversible. For Bitcoin (the first blockchain), this means that transactions are permanently recorded and viewable to anyone.

How does a Blockchain work?

The goal of blockchain is to allow digital information to be recorded and distributed, but not edited.

In this way, a blockchain is the foundation for immutable ledgers, or records of transactions that cannot be altered, deleted, or destroyed.

The Properties of Distributed Ledger Technology (DLT)



How does a Blockchain work?

1. A new transaction is entered.
2. The transaction is then transmitted to a network of peer-to-peer computers scattered across the world.
3. This network of computers then solves equations to confirm the validity of the transaction.
4. Once confirmed as a legitimate transaction, this and many other transactions are clustered together into blocks.
5. These blocks are then chained together creating an extensive history of all transactions that are permanent.
6. The transaction is then complete.

What are the current uses of Blockchain



Banking and Finance

- International Payments
- Capital Markets
- Insurance
- Trade Finance
- Regulatory and Compliance
- Peer to Peer
- Money Laundering Protection

Business

- Supply Chain Management
- Healthcare
- Media
- Real Estate
- Energy

Government

- Record Management
- Voting
- Identity Management
- Taxes
- Not for Profit Agencies
- Compliance and Regulatory Oversight

Other Industries

- Record Management
- Cybersecurity
- Big Data
- Data Storage
- IoT

FAST LAUNCH
TRADING

The background features a dark blue theme with a network of glowing blue lines and dots. A financial candlestick chart is visible in the upper left, with price points like 54.25, 45.85, and 30.00. A hand is shown interacting with a laptop screen in the lower right.