

Our Blockchain Based Future

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What is blockchain?

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2009:



bitcoin

Blockchain is a distributed database. New transactions are grouped into blocks along a linear "chain".

In simpler terms: Blockchain is a record book,
synchronised across thousands of
computers. Transactions are line items.

Line items do not need to represent
currency.

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Bitcoin vs Ethereum

Bitcoin = could buy a house outright.
Ethereum = could repay a mortgage over a
variable time, with interest.

Thanks to its smart contracts, Ethereum is effectively becoming the "Internet of Agreements". No middleman required.

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```
contract token {
  mapping (address => uint) public coinBalanceOf;
  event CoinTransfer(address sender, address receiver, uint amount);

  /* Initializes contract with initial supply tokens to the creator of the contract */
  function token(uint supply) {
    if (supply == 0) supply = 10000;
    coinBalanceOf[msg.sender] = supply;
  }

  /* Very simple trade function */
  function sendCoin(address receiver, uint amount) returns(bool sufficient) {
    if (coinBalanceOf[msg.sender] < amount) return false;
    coinBalanceOf[msg.sender] -= amount;
    coinBalanceOf[receiver] += amount;
    CoinTransfer(msg.sender, receiver, amount);
    return true;
  }
}
```

Smart contract business models

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MiVote

mivote.com.au

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sia.tech

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ujomusic.com

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powerledger.io

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The Ethereum Enterprise Alliance

The Enterprise Ethereum Alliance connects enterprises, startups, and vendors to build upon Ethereum and define enterprise-grade software.

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Cryptoassets and ICOs

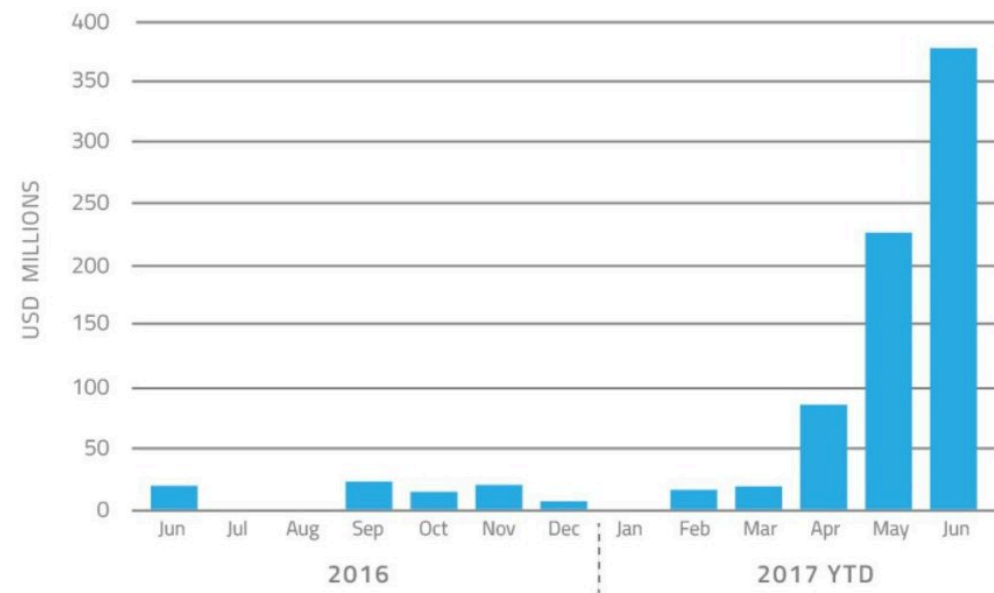
Deloitte predict at least 10% of global GDP
being stored on Blockchain platforms by
2025.

The total market cap of cryptoassets is now bigger than the GDP of most countries.

- \$10 billion: 7 years
- \$20 billion: 1 year later
- \$40 billion: 3 months later
- \$80 billion: 3 weeks later

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ICO raise amounts



Where to from here?

≡ **Forbes**



The current state of blockchain may be comparable to the state of the Internet and World Wide Web in the mid-1990s, when “we all understood it was going to change the world. There were maybe five, 10, 15 million using the Internet, versus the two billion today. That’s where we are with blockchain.”