



Blockchain Snippets





BLOCKCHAIN VERSION





**Blockchain
1.0**

**Blockchain
2.0**

**Blockchain
3.0**

Blockchain version





BLOCKCHAIN 1.0: CURRENCY

- **THE IDEA OF CREATING MONEY THROUGH SOLVING COMPUTATIONAL PUZZLES WAS FIRST INTRODUCED IN 2005 BY HAL FINNEY, WHO CREATED THE FIRST CONCEPT FOR CRYPTOCURRENCIES (THE IMPLEMENTATION OF DISTRIBUTED LEDGER TECHNOLOGY).**
- **THIS LEDGER ALLOWS FINANCIAL TRANSACTIONS BASED ON BLOCKCHAIN TECHNOLOGY OR DLT TO BE EXECUTED WITH BITCOIN.**





- **BITCOIN IS THE MOST PROMINENT EXAMPLE IN THIS SEGMENT. IT IS BEING USED AS CASH FOR THE INTERNET AND SEEN AS THE ENABLER OF THE INTERNET OF MONEY.**

BLOCKCHAIN 2.0: SMART CONTRACTS

- **THE MAIN ISSUES THAT CAME WITH BITCOIN ARE WASTEFUL MINING AND LACK OF NETWORK SCALABILITY.**
- **TO OVERCOME THESE ISSUES, THIS VERSION EXTENDS THE CONCEPT OF BITCOIN BEYOND CURRENCY.**





- **THE NEW KEY CONCEPTS ARE SMART CONTRACTS. IT IS SMALL COMPUTER PROGRAMS THAT "LIVE" IN THE BLOCKCHAIN.**
- **THEY ARE FREE COMPUTER PROGRAMS WHICH EXECUTED AUTOMATICALLY AND CHECKED CONDITIONS WHICH ARE DEFINED EARLIER LIKE FACILITATION, VERIFICATION OR ENFORCEMENT.**
- **THE BIG ADVANTAGE OF THIS TECHNOLOGY THAT BLOCKCHAIN OFFERS, MAKING IT IMPOSSIBLE TO TAMPER OR HACK SMART CONTRACTS.**





- **A MOST PROMINENT EXAMPLE IS THE ETHEREUM BLOCKCHAIN, WHICH PROVIDES A PLATFORM WHERE THE DEVELOPER COMMUNITY CAN BUILD DISTRIBUTED APPLICATIONS FOR THE BLOCKCHAIN NETWORK.**
- **QUICKLY, THE BLOCKCHAIN 2.0 VERSION IS SUCCESSFULLY PROCESSING A HIGH NUMBER OF DAILY TRANSACTIONS ON A PUBLIC NETWORK, WHERE MILLIONS WERE RAISED THROUGH ICO (INITIAL COIN OFFERINGS), AND THE MARKET CAP INCREASED RAPIDLY.**





BLOCKCHAIN 3.0: DAPPS

- DAPPS IS ALSO KNOWN AS A DECENTRALIZED APPLICATION. IT USES DECENTRALIZED STORAGE AND COMMUNICATION.
- ITS BACKEND CODE IS RUNNING ON A DECENTRALIZED PEER-TO-PEER NETWORK.
- A DAPP CAN HAVE FRONTEND CODE HOSTED ON DECENTRALIZED STORAGES SUCH AS ETHEREUM SWARM AND USER INTERFACES WRITTEN IN ANY LANGUAGE THAT CAN MAKE A CALL TO ITS BACKEND LIKE A TRADITIONAL APPS.

