



Professional Blockchain Course

Comparison of top Blockchain Solutions

Bitcoin

- It is a globally known cryptocurrency and digital payment system.
- First Decentralized Digital Currency whose ledger is maintained by Blockchain openly and gave us the taste of the blockchain.
- It was founded by an unknown person or group of people and released as open-source software in 2009.
- Peer-to-peer.
- Transactions take place between users directly, without an intermediary.
- Network nodes verify these transactions and record them in a public distributed ledger called Blockchain.





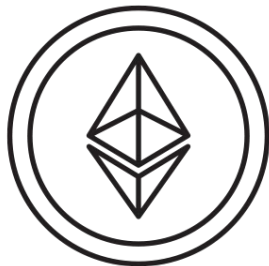
Bitcoin

Features that differentiate Bitcoin from fiat currencies:

- **Decentralized System:** The control of Bitcoin is not centralized. The nodes/computers work together to mine the currency and process transactions which form the network, without any need of a central authority.
- **Simple Setup Process:** Regular banks make you go through a lot of processes to open an account. However, the configuration process of Cryptocurrency is straightforward and free.
- **Anonymous and Transparent Usage:** Users can have many Bitcoin addresses without a link to any personal identifying information. However, it records every transaction in a giant ledger called Blockchain.
- **Meager Transaction Fee:** Bitcoin charges a minimal fee for international transfers.
- **Fast Network Process:** The payment process is quick on the Bitcoin network.
- **Non-Refundable:** Once sent, Bitcoins cannot be refunded.

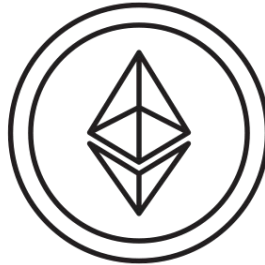
Ethereum

- Ethereum is an open source software platform which is based on Blockchain technology that enables developers to build and deploy decentralized applications like smart contracts.
- It offers a Decentralized Virtual Machine aka Ethereum Virtual Machine which can execute scripts using a globally distributed network of public nodes.
- Launched by Vitalik Buterin in late 2013.
- The development for ethereum was funded by an online public crowdsale during July–August 2014, by buying the Ethereum token (Ether).



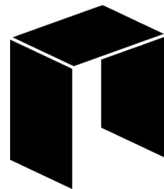
Ethereum

- The first public beta pre-releases network known as "Olympic." The Olympic network provides users with a bug bounty of 25,000 Ethers for stress testing the limits of the Ethereum Blockchain.
- Ethereum's live Blockchain named "Frontier" was launched on 30 July 2015.
- The current milestone is named "Homestead" and is considered stable. As it has led to various improvements such as transaction processing, gas pricing, and security.
- There are at least two other protocol upgrades planned for the future, i.e., Metropolis and Serenity (Proof-of-stake).



NEO

- NEO is a smart economy for the distributed network.
- NEO was chosen as the name because “NEO” in Greek means, “newness, novelty, and youth.”
- NEO was initially called AntShares (ANS) which was launched in 2014, founded by Da Hongfei and Erik Zhang.
- Antshares announced on June 22, 2017, that it planned to rebrand itself as NEO.
- The first ICO on the NEO blockchain, Red Pulse Token (RPX) was announced soon after the rebranding finished.
- Apart from the NEO cryptocurrency itself, the NEO platform has another crypto-token called “GAS” which was formerly called as “ANC-Antcoins.”



NEO

Hyperledger

- Hyperledger is an open source created to advance cross-industry blockchain technologies.
- It is a global collaboration, hosted by The Linux Foundation, including leaders in finance, banking, Internet of Things, supply chains, manufacturing, and technology.
- Hyperledger acts as an operating system for marketplaces, data-sharing networks, micro-currencies, and decentralized digital communities. It has the potential to vastly lessen the expense and complications in getting things done in the real world.



HYPERLEDGER

EOS

- EOS is an operating system for marketplaces, data-sharing networks, micro-currencies, and decentralized digital communities. It has the potential to vastly lessen the expense and complications in getting things done in the real world.
- EOS Blockchain aims to become a decentralized operating system which can support industrial-scale decentralized applications.
- EOS is planning to delete transaction fees. EOS claims to have the ability to conduct millions of transactions per second.
- EOS runs on DPOS consensus algorithm.





Corda

- Corda is an open source blockchain aiming to meet requirements for use of blockchain in businesses.
- Corda offers a solution where a shared ledger can be initiated between parties under the contract.
- Corda's communications are point-to-point, meaning only participants of a transaction can see it.
- With Corda's point-to-point architecture participants only have copies of the transactions they are participants to or observers of. This means that every node in a Corda network is likely to have a unique ledger. This is called as multilateral ledger.





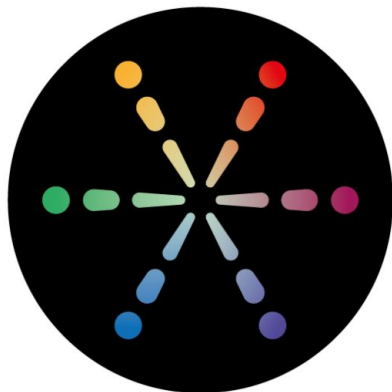
Quorum

- Quorum is the brainchild of J.P. Morgan bringing in enterprise focused version of Ethereum.
- Quorum provides private smart contract execution and enterprise grade performance.
- Quorum uses zk-Snarks cryptography which allows verification of the computation correctness without even learning what was executed.
- Quorum uses a hybrid privacy design.



Multichain

- Multichain was created by Gideon to make available a blockchain solution for organizations to build and develop fast.
- Multichain is built upon Bitcoin Blockchain but offers the functionality of Permissions, Streams, and Assets
- Multichain also provides other tools like explorers to interact with underline Blockchain seamlessly.
- Bankchain is using Multichain as it's base.





THANK YOU

For more information contact
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