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MAKE A DIFFERENCE

OPEN SOURCE FOR

BLOCKCHAIN DEVELOPMENT

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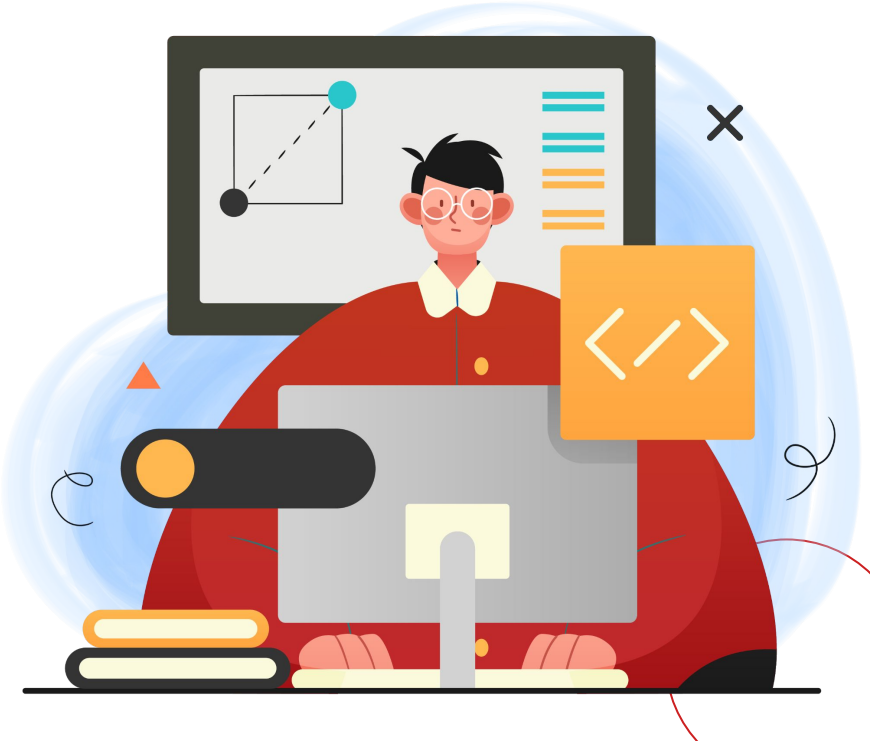

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Blockchain's properties

Programmable
A blockchain is programmable (i.e. Smart Contracts)

Distributed
All network participants have a copy of the ledger for complete transparency

Secure
All records are individually encrypted

Immutable
Any validated records are irreversible and cannot be changed

Anonymous
The identity of participants is either anonymous or pseudonymous

Unanimous
All network participants agree to the validity of each of the records

Time-stamped
A transaction timestamp is recorded on a block

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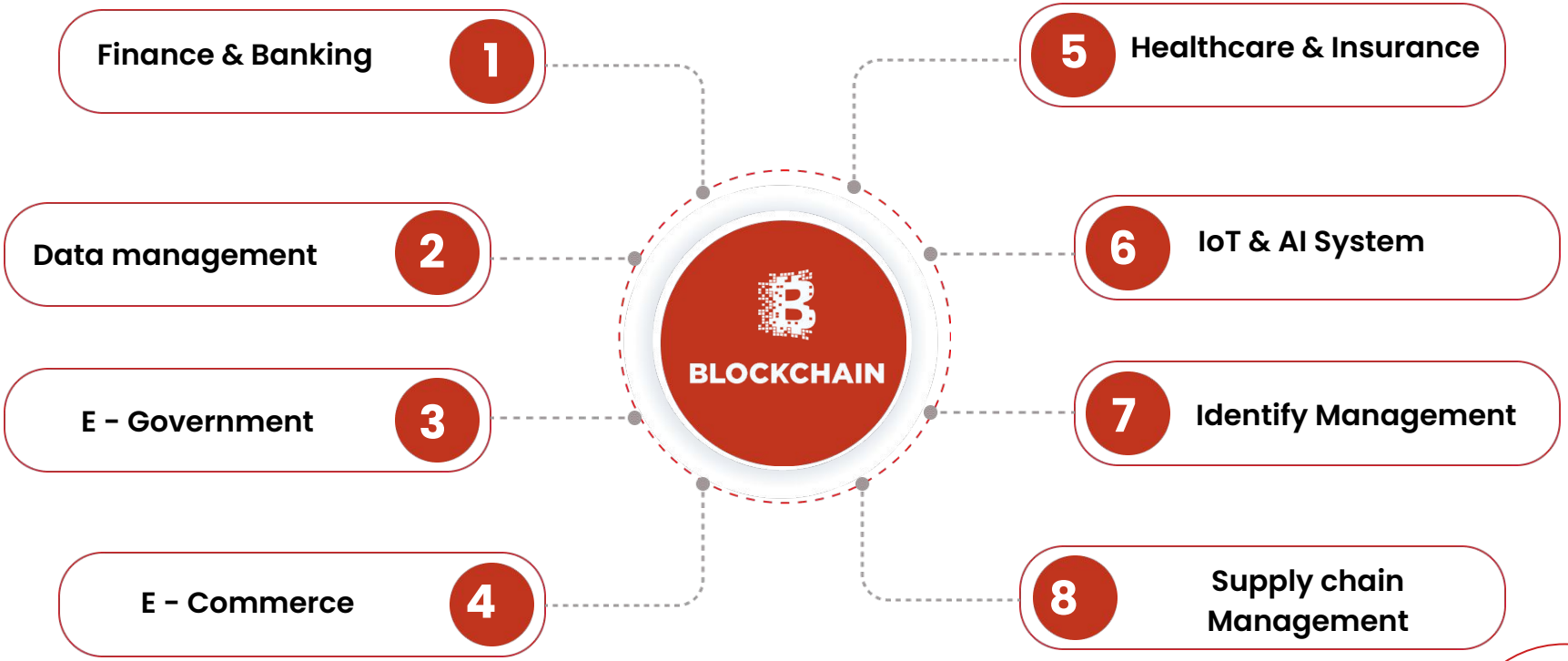
Blockchain's Application Industries



Open Source Software

Open source software is software with source code that anyone can inspect, modify, and enhance.

Transparency

The founding principle of open source is to make the source code of the project public

Modifiability

Open source software can be modified and re-distributed to solve different problems

Enhanced security

Easy to find security loopholes in the software, raise public awareness about the potential security related pitfalls.

Collaboration

OSS encourages other developers to collaborate and contribute to the development of the software. This makes open source development, by nature, a community experience.

Decentralisation

OSS can be modified under proper licensing, this gives the developer the autonomy to use the software as and how desired thus making the process decentralised.

The Importance of Open Source for Blockchain Technology

Faster Innovation and Better User Experience

- Almost all the prominent cryptocurrencies in the market, including Bitcoin and Ethereum, are open source
- Company can choose open source to integrate blockchain into its operations.
- It provides flexibility and diversity of technology

Security and Transparency

- The open-source nature of blockchain technology helps to protect and maintain that all important transparency
- Because everything is publicly audited, security is improved.

Decentralizes

- Open source facilitates that decentralization meaning no one central “source of truth” can become corrupted or make decisions that impact everyone.

The Blockchain revolution is being powered by Open Source.

Top blockchain open source projects

Bitcoin Core

- The Bitcoin Core work by more than 450 developers that have more some 15,000 code contributions
- These developers are unaffiliated and the public software is free for use

Ethereum

- Its codebase is the work of 120+ software repositories which focus on different parts of the code, such as smart contracts, network clients, or end-user graphical browsers

Top blockchain open source projects

Hyperledger

- Developed by The Linux Foundation
- It contains various blockchain open source projects and develops solutions for enterprises
- Blockchain networks developed using Hyperledger architecture are private and permissioned

Top blockchain open source projects

Enterprise Ethereum

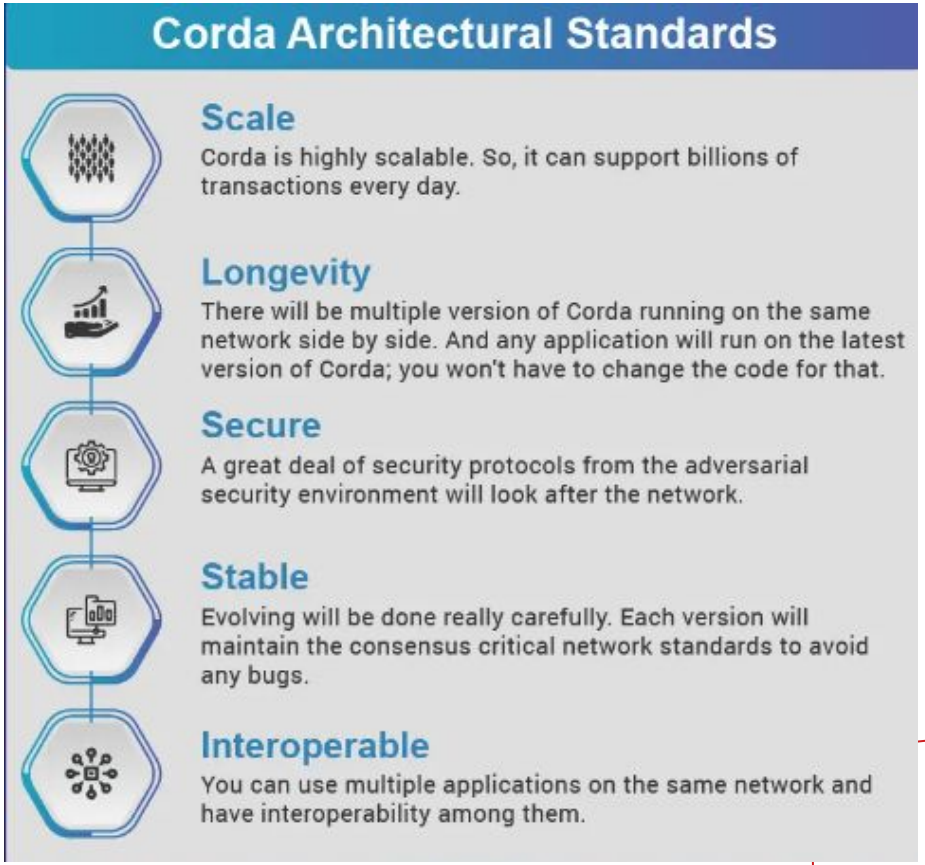
- Enterprise Ethereum is the private or permissioned blockchain version of the public Ethereum codebase
- Governed by the Enterprise Ethereum Alliance
- Open-Source Standard Instead of a Product

Source: https://101blockchains.com

Top blockchain open source projects

Corda

- Corda is distributed ledger software that processes and records data to promote a decentralized network
- Mainly Corda is geared toward the financial sectors
- Since 2016, Corda is one of the blockchain **open-source software** for everyone to use freely



Source: https://101blockchains.com

THANK YOU FOR LISTENING

For Further Q&A

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