

What is Ethereum?





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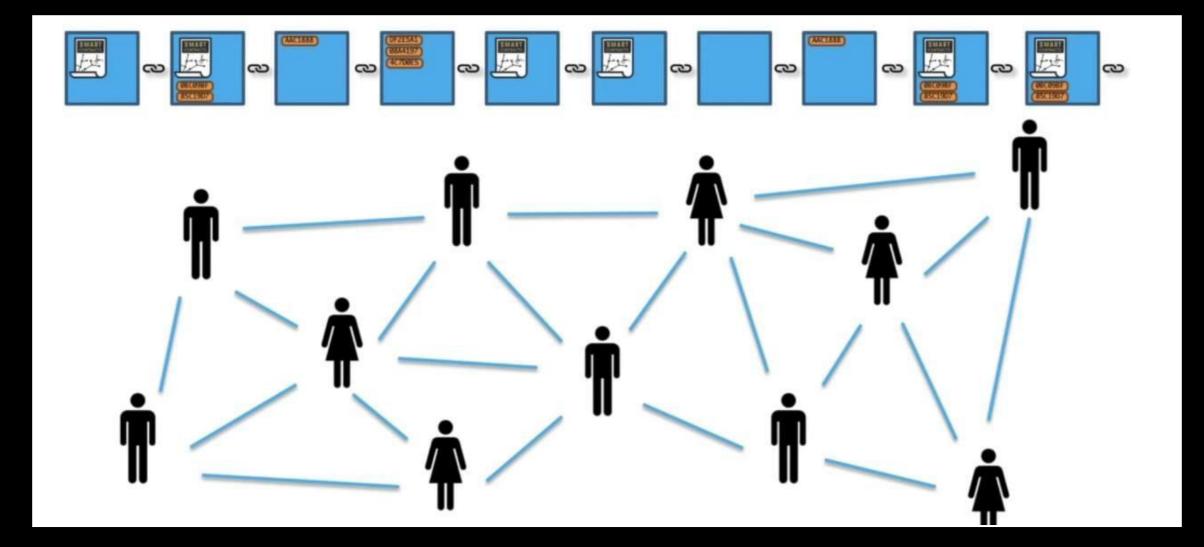
Ethereum: project created by:



Purpose:

Bitcoin: purpose was to create a cryptocurrency to eliminate banks (third-party) and allow us to trade permissionless or borderless

Ethereum: Purpose was to create a platform to let others to create/build programs on top of it



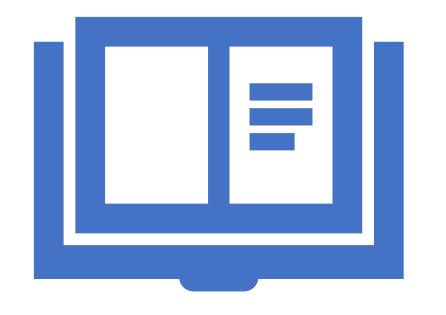
Understanding Ethereum

 We build a blockchain that not only allows us to store transaction data but actually allows us to store programs to facilitate the execution of a program and make any application decentralized.



How decentralized??

Example of Facebook



Additional Reading

What is Ethereum? | The ultimate Beginners' Guide

https://coincentral.com/what-is-ethereum/

What is Smart Contract?

Smart Contracts

- Programs/Codes that run on Blockchain
- Contract: A set of rules/clauses that parties agree on that governs the relationship between them









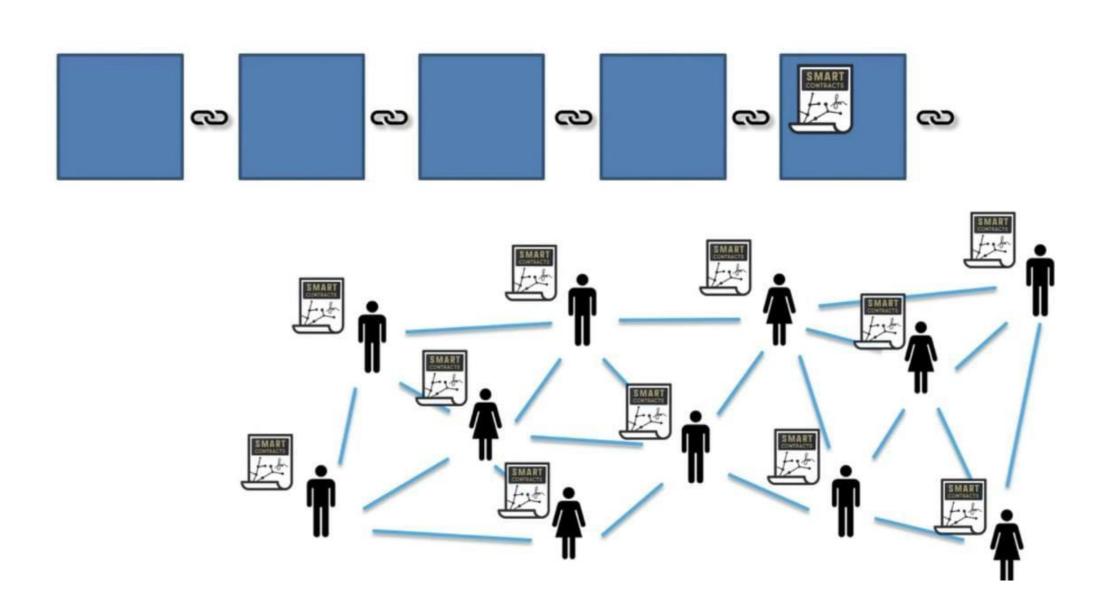


Turing-Complete?
No Yes





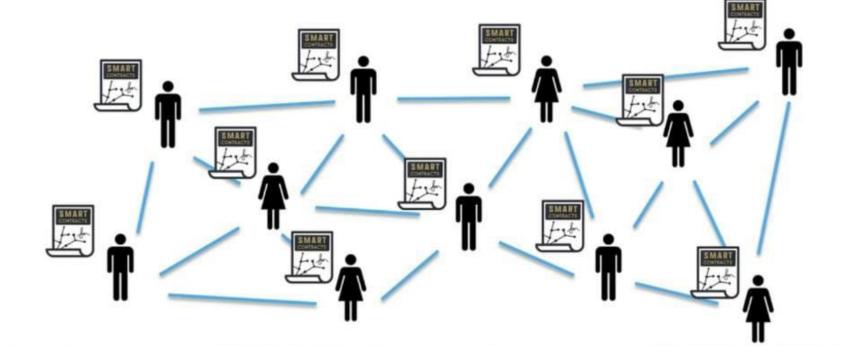






Each Node has:

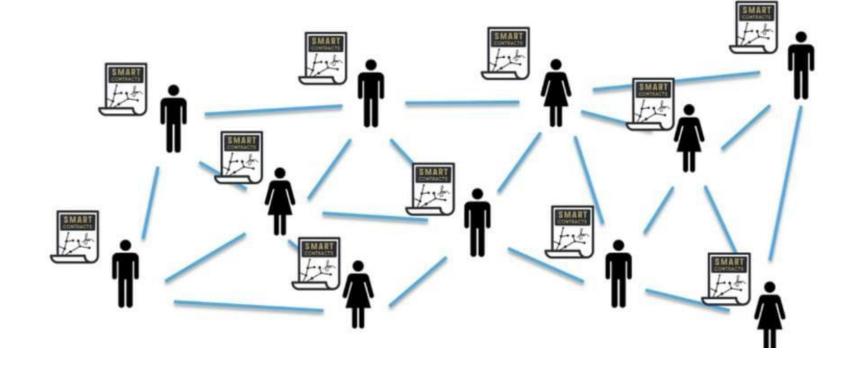
 History of all smart contracts





Each Node has:

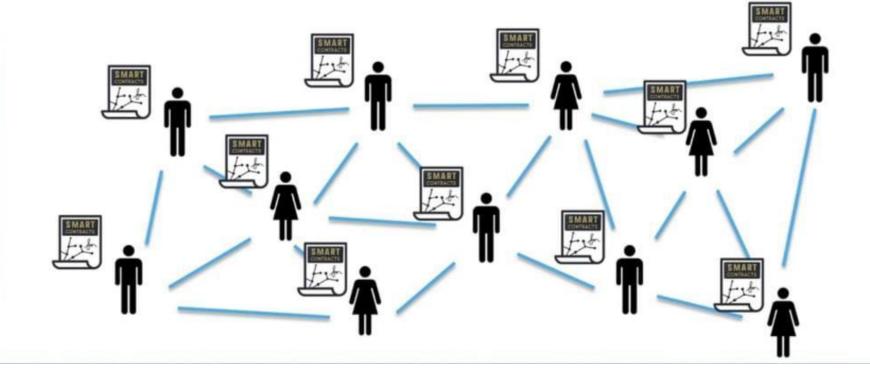
- History of all smart contracts
- History of all transactions





Each Node has:

- History of all smart contracts
- History of all transactions
- Current state of all smart contracts



Acknowledgement and Source:

https://www.udemy.com/course/build-your-blockchain-az/