





ETHEREUM BLOCKCHAIN AND SMART CONTRACTS

ethereum

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Ethereum

[i-'thir-ē-əm]

An open-source blockchain that is known for its smart contracts functionality, and which serves as the basis for the cryptocurrency ether (ETH).



Ethereum 2.0

Why We Need It?



Simplicity.

The correctionity of network should be reinimized dren at the cost of some losses in efficiency

Failure-resistance

The attendence of through major retards und other unit nodes portions und other unit nodes portions ut nodes portions ut nodes portions.

Compatibility with quantum hardware

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Decembralization

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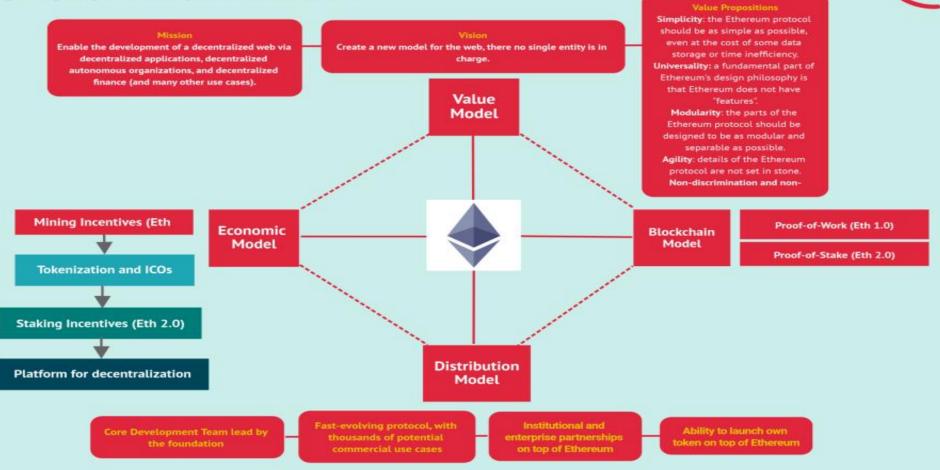
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ETHEREUM USE CASES



Ethereum Ecosystem And Its Business Models

Ethereum was launched in 2015 with its cryptocurrency, Ether, as an open-source, blockchain-based, decentralized platform software. Smart contracts are enabled, and Distributed Applications (dApps) get built without downtime or third-party disturbance. It also helps developers build and publish applications as it is also a programming language running on a blockchain.



FourWeekMBA

Further Developers' Adoption

Core

Flywhee

Users

More Businesses & Investors

Different types of Consensus Algorithms

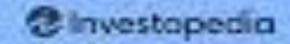




Decentralized Applications (dApps)

[Lide-'sen-tra-Atad ar-pla-ka-shanz]

Software programs that run on a blockchain or P2P network of computers instead of a single computer.



What Is Solidity?



Solidity is a type of objectoriented programming language. This programing language is developed specifically for smart contracts.

This type of language is widely used in creating smart contracts features in blockchain platforms. It's influenced by C++. JavaScript and Python. Solidity also uses Ethereum Virtual Machine to function properly.



Advantages of Ethereum

Flexibility and Ethereum's growing Transparency and Decentralisation customisation security ecosystem Community and Interoperability and Ethereum 2.0 Economic developer support standards transition incentives

Disadvantages of Ethereum

Scalability issues

Energy consumption

Regulatory challenges

Competition and network congestion

Complexity of development

Security concerns

Transition to Ethereum 2.0

Storage and bandwidth costs

User Experience and accessibility

Governance challenges

Conclusion and Future Outlook for Ethereum

