Hedera™ Hashgraph

WHY HEDERA

Trust, security, and fairness have become elusive in today's online world. Information and control of the flow of this information have been centralized in systems that have become vulnerable and susceptible to manipulation. For individuals, businesses, and the institutions that serve both, the need for a trust layer of the internet has never been more critical. Blockchain was the first distributed ledger technology to begin to fill this need, but challenges of speed and efficiency have made it hard to adopt. Hashgraph was designed to overcome the shortcomings of earlier generation distributed ledger technology and be widely adopted.

THE OPPORTUNITY

Hedera is the next generation, distributed public ledger that can deliver integrity to the internet at global scale, as well as trust, security, fairness, and performance.

Trust

- Reputable global governance framework
- Guaranteed consensus
- Decentralized and leaderless
- No forking

Security

- Asynchronous Byzantine Fault Tolerant
- Real-time consensus
- Sybil attack resistant
- DDoS attack resistant

Fairness

- Fair and true timestamping of transaction sequence
- Guaranteed ordering of transactions
- Resilient and distributed to ensure fair access

Performance

- Near perfect bandwidth usage efficiency
- Minimal consumption of compute resources
- Hundreds of thousands of transactions per second

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THE PLATFORM

The Hedera hashgraph platform provides a new form of distributed consensus; a way for people who don't know or trust each other to securely collaborate and transact online without the need for a trusted intermediary. The platform is lightning fast, fair, and secure, and, unlike some blockchain-based platforms, doesn't require compute-heavy proof-of-work. Hedera enables and empowers developers to build an entirely new class of distributed applications never before possible. Get more detailed information about the Hedera hashgraph platform at https://hederahashgraph.com/platform

THE PLATFORM TOKEN

The Hedera hashgraph network will have a native cryptocurrency, which is a utility token that grants token holders access to distributed applications on the platform. The token may also be "staked" and used to run a node (for example, adding CPU to the Hedera public network), thereby providing the network security within the public ledger. We expect the token to act as a unit of value to motivate responsible use and governance of the platform. Learn more about the token at https://hederahashgraph.com/token

OPEN ACCESS

The SDK is available to all in order to build an entirely new class of distributed applications on the Hedera hashgraph platform using a native cryptocurrency. There is no licensing fee involved; users have complete ownership and discretion over the licensing chosen for these applications. The platform provides a robust ecosystem and transparent codebase, and is supported by a global community committed to free education. Get the SDK at https://swirlds.com/download

USE CASES FOR DISTRIBUTED APPS

FREE AND FAIR VOTING INITIATIVES

SMART CONTRACTS

FRICTIONLESS COMMERCE BASED ON TRUST

ONLINE IDENTITY PROTECTION

NEXT GENERATION EMAIL AND MESSAGING

NEXT GENERATION GAMING

ABOUT HEDERA

The Hedera hashgraph platform will offer a public, distributed ledger that enables anyone to easily develop globally distributed applications. Developers can build secure, fair, lightning fast distributed applications on top of the Hedera hashgraph platform.

For more information, visit https://hederahashgraph.com, follow us on Twitter @hashgraph, Telegram at https://t.me/hashgraph, or our forum at https://hashgraphboard.com.

CONTACT & PR

contact@hederahashgraph.com

pr@hederahashgraph.com