**PROJECT DESCRIPTION**

Solana is a permissionless, open-source, delegated Proof-of-Stake blockchain. It focuses on scalability, sub-second finality, low transaction fees as well as support for all LLVM compatible smart contract languages. It is specifically built to scale transaction throughput without sacrificing decentralization or security.

**FACTS & FIGURES**

- **founded**: 2017
- **live since**: 03/2020
- **native token**: SOL

**founding team**

- Anatoly Yakovenko
- Greg Fitzgerald
- Eric Williams, PhD
- Stephen Akridge

**key players**

**SOLANA LABS**

The core team behind the Solana protocol responsible for developing, maintaining, and improving the Solana code base. Based in the San Francisco Bay area, but spread out across the globe.

**SOLANA FOUNDATION**

A Swiss non-profit foundation set out to expand and develop the ecosystem around the Solana protocol. Key initiatives are grant & delegation programs, education as well as research and development.
Solana is the closest thing to the 'world computer' blockchain developers conceptualized in the early days of crypto
- Kyle Samani, Co-Founder of Multicoin Capital

**TOKENOMICS**

- **funding**
  - $20 Million in 2019
  - private sale (series A)

- **initial supply**
  - 500 Million SOL at Genesis*

- **capped supply**
  - No capped supply

*11,365,067 have been burned on May 23rd 2020 to reduce the token supply to account for market-making activity.

**initial allocation**

- foundation 12,5%
- founders 12,5%
- grant pool 4%
- community 33,9%
- auction sale (03/20) 1,6%
- investors 35,6%

**STAKING INFO**

- **inflation rate** 8%
- **un-bonding period** ~2,5 days
- **staking return** 10 – 20% dependent on the amount staked across the whole network

*the inflation rate will decrease by 15% every year until it reaches 1.5%

**Rewards**

Staking rewards are automatically added to the holder’s stake address at the beginning of every epoch (~2,5 days).
Hence, they are directly re-delegated. There is a Warm-up/Cool-down period of ~2,5 days for funds that are delegated/undelegated respectively.

**Slashing**

Validators & their delegators can be subject to slashing (partial loss of funds) in case of misbehavior by the validator. As of now, slashing is not enabled on mainnet beta.

created: 06/2020 | updated 02/2021
**Proof-of-History (PoH):**
PoH is a cryptographically secure and trustless time source in the form of a recursive Verifiable Delay Function (VDF). Transactions are hashed & receive a timestamp & count as a function of real-time. This allows for a fast ordering of transactions and ultimately a higher throughput.

**Flexible Virtual Machine Integration**
The Solana SDK supports C/C++, Rust, and Move, but a program may be written in any programming language that can target the Berkley Packet Filter (BPF) safe execution environment.

**ECOSYSTEM & PROJECT MAP**

**Serum**
Decentralized Cross-chain Derivatives Exchange

**Maps.me**
Navigation App w/ built-in DeFi Functionality

**Circle/USDC**
Dollar-pegged Stablecoin & Payment Network

**Audius**
Decentralized Music Streaming Platform

**Civic**
Decentralized Identity Ecosystem

**LINKs**
- **website:** solana.com
- **github:** github.com/solana-labs/solana
- **wiki:** docs.solana.com
- **forum:** forums.solana.com

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