[Solana Documentation](#)

Solana is a blockchain built for mass adoption. It's a high performance network that is utilized for a range of use cases, including finance, NFTs, payments, and gaming. Solana operates as a single global state machine, and is open, interoperable and decentralized.

Getting started[#](#)

Dive right into Solana to start building or setup your tooling.

- [Setup local environment](#)
- -
- Install the Solana CLI to get your local development environment setup
- [Hello World in your browser](#)
- -
- Build and deploy your first on-chain Solana program, directly in your browser
- using Solana Playground

Start learning[#](#)

Build a strong understanding of the core concepts that make Solana different from other blockchains.

- [Transactions](#)
-
    - Collection of instructions for
- the blockchain to execute
- [Accounts](#)
-
    - Data and state storage mechanism for
- Solana
- [Programs](#)
-
    - The executable code used to perform
- actions on the blockchain
- [Cross-Program Invocation](#)
-
    - Core of the "composability" of
- Solana, this is how programs can "call" each other.

Understanding the architecture[#](#)

Get to know the underlying architecture of how the proof-of-stake blockchain works.

- [Validators](#)
-
    - the individual
- nodes that are the backbone of the network
- [Clusters](#)
-
    - a collection of validators that work
- together for consensus

Running a validator[#](#)

Explore what it takes to operate a Solana validator and help secure the network.

- [System requirements](#)
- -
- Recommended hardware requirements and expected SOL needed to operate a
- validator
- [Quick start guide](#)
- -
- Setup a validator and get connected to a cluster for the first time