Smart Contract

Smart contracts are pieces ofexecutable code stored in theaccount's state that have their own storage, andperform transactions in the account's name.

They are written in Javascript or Rust, and then compiled and deployed to an account so everyone can interact with them through their public methods.

Why Smart Contracts Matter

Smart contracts enable to createfully decentralized applications .

In fact, smart contracts enabled to create a multitude ofawesome apps such as:

- Decentralized Autonomous Organizations, where users create and vote proposals.
- Art Marketplaces, where users create and commercialize digital art pieces.
- Decentralized exchanges, where users can trade different currencies.

Developing Contracts in NEAR

Developers can choose between usingJavascript orRust to write smart contracts in NEAR.

Indistinctly from the language chosen, the NEAR SDK will help you to compile the contract into WebAssembly, from which point it can be deployed and executed on the NEAR platform.

tip See how simple it is to build a contract in NEAR with ourQuickstart Guide . You will spin-up your first dApp in a matter of seconds.

Advantages of NEAR Contracts

1. Simple to Build

Thanks to our uniqueJavascript SDK and ourvast documentation .

2. Simple to Maintain

Since the contract's code is separated fromits storage , contracts ofnon-locked account canbe updated .

3. Some Methods are Free to Call

Public methods that perform only read operations can becalled for free .Edit this page Last updatedonFeb 1, 2023 byDamián Parrino Was this page helpful? Yes No

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