Account Model

In order to join the NEAR ecosystem, users need to create an account. NEAR accounts are unique when compared to other blockchain ecosystems.

Human-Readable Accounts

NEAR leverageshuman-readable accounts to simplify remembering them. In this way, accounts have addresses such asalice.near instead of long strings of random characters.

Permissions Through Access Keys

NEAR accounts can have multiplekeys , each with their own set of permissions. This allows to grant specific authorizations to third-parties, while keeping the option to revoke them at any time.

Simple to Develop Smart Contracts

NEAR accounts can optionally hold a simple program, known as asmart contract . In NEAR, developers can create smart contracts using languages such as Javascript or Rust.

Mutable State (Storage)

NEAR accounts have a state (storage) which can mutate when the user or the account's contract performs a transaction.

Comparison With Ethereum

If you're familiar with development on Ethereum, it's worth making a quick note about how accounts are different. The table below summarizes some key differences:

Ethereum Wallet NEAR Account Public Identifier Public Key (0x123...) Account ID (alice.near) Secret Key Private Key (0x456...) Multiple Keypairs with permissions: -FullAccess key -FunctionCall key Characteristics - Private key gives full access - Account doesn't have to be created via a transaction - Permission-based keypair - Account ID must be created via blockchain transaction Edit this page Last updatedonAug 16, 2022 bygagdiez Was this page helpful? Yes No

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