

Address (Account ID)

Every NEAR account is identified by a specific address. Based on their name, two types of accounts can be distinguished:

1. Named accounts
2. , with human readable names such as `alice.near`
3. .
4. Implicit accounts
5. , referred by 64 chars (e.g. `98793cd91a3f870fb126f662858[...]`)
6.).

tip For an account name to be valid, it must adhere to the [specification's account ID rules](#) .

Implicit Accounts

Implicit accounts are similar to the classic Bitcoin/Ethereum accounts. They are defined by a 64 character address, which corresponds to a unique ED25519 key-pair.

For example:

- The public key in base58: `BGCCDDHfysuuVnaNVtEhhqeT4k9Muyem3Kpgq2U1m9HX`
- Refers to the implicit account: `98793cd91a3f870fb126f66285808c7e094afcfc4eda8a970f6648cdf0dbd6de`

tip Check our section on how to [create implicit accounts](#)

Named Accounts

In NEAR, users can register named accounts (e.g. `bob.near`) which are simpler to use and remember.

Moreover, named accounts can create sub-accounts of themselves, helping to better organize related-accounts. In this way, named accounts work as domains, particularly:

1. Only the [registrar](#)
2. account can create short top-level accounts (< 32 char).
3. Anyone can create long (>= 32 chars) top-level accounts.
4. An account can only create immediate
5. sub-accounts of itself.

In other words:

1. Only [registrar](#)
2. can create short top-level accounts (e.g. `near`)
3. , `aurora`
4.).
5. Anyone can create long top-level accounts, e.g. `verylongaccountnamethatis32chars`
6. .
7. `near`
8. can create `bob.near`
9. , and `bob.near`
10. can create `app.bob.near`
11. .
12. `near`
13. cannot
14. create `app.bob.near`
15. , and `test.near`
16. cannot
17. create `sub.example.near`
18. .

Currently, mainnet accounts are sub-accounts of `near` (example: `example.near`), and testnet accounts are sub-accounts of `testnet` (example: `example.testnet`).

info Accounts have no control over sub-accounts, since they do NOT share [access keys](#) tip Check our section on how to [create named accounts](#) [Edit this page](#) Last updated on Dec 9, 2023 by [gagdiez](#) Was this page helpful? Yes No

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