NEAR Networks

NEAR Protocol operates on several networks each operating with their own independent validators and unique state. These networks are as follows:

- mainnet
- testnet
- localnet

Mainnet

mainnet is for production ready smart contracts and live token transfers. Contracts ready formainnet should have gone through rigorous testing and independent security reviews if necessary.mainnet is the only network where state is guaranteed to persist over time(subject to the typical security guarantees of the network's validation process) .

- Status:https://rpc.mainnet.near.org/status
- [NearBlocks Explorer
-]
- [Wallet
-]
- [Data Snapshots
-]

Testnet

testnet is a public network and the final testing network fornearcore changes before deployment tomainnet .testnet is intended for testing all aspects of the NEAR platform prior tomainnet deployment. From account creation, mock token transfers, development tooling, and smart contract development, thetestnet environment closely resemblesmainnet behavior. Allnearcore changes are deployed as release candidates on first testnet, before the changes are released onmainnet . A number oftestnet validators validate transactions and create new blocks. dApp developers deploy their applications ontestnet before deploying onmainnet . It is important to note thattestnet has its own transactions and states.

- Status:https://rpc.testnet.near.org/status
- [Explorer
-]
- [Wallet
-]
- [Data Snapshots
-]

Localnet

localnet is intended for developers who want to work with the NEAR platform independent of the public blockchain. You will need to generate nodes yourself.localnet gives you the total control over accounts, economics, and other factors for more advanced use cases (including making changes tonearcore). For developers,localnet is the right choice if you prefer to avoid leaking information about your work during the development process.

More on local developmenthere

near-cli network selection variable islocal

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Previous Validators Next Epoch