Pre-deployed Contract

Learn how to easily receive fungible tokens without doing any software development by using a readily-available FT smart contract.

Prerequisites

To complete this tutorial successfully, you'll need:

- A NEAR TestNet account
- NEAR-CLI

Using the FT contract

Setup

- Log in to your newly created account withnear-cli
- by running the following command in your terminal:

near login * Set an environment variable for your account ID to make it easy to copy and paste commands from this tutorial:

export NEARID=YOUR_ACCOUNT_NAME note Be sure to replaceYOUR_ACCOUNT_NAME with the account name you just logged in with including the.testnet . * Test that the environment variable is set correctly by running:

echo NEARID

Receiving Fungible Tokens

NEAR has deployed a new Fungible Token contract to the accountft.predeployed.examples.testnet which allows users to freely receive somegtNEAR - a new fungible token aimed to promote the power of teamwork! EachgtNEAR is equal to1e24 yocto-gtNEAR similar to how 1 NEAR is equal to 1e24 yoctoNEAR.

Using this pre-deployed contract, let's get some gtNEAR!

Start by calling the methodft_mint which is a custom function implemented on this contract in order to send your account somegtNEAR ! The following command will send0.01 gtNEAR to your account.

near call ft.predeployed.examples.testnet ft_mint '{"account_id": "'NEARID'", "amount": "10000000000000000000000"}' --accountId NEARID Example response: Log [ft.predeployed.examples.testnet]: EVENT_JSON: {"standard":"nep141","version":"1.0.0","event":"ft_mint","data": [{"owner_id":"benjiman.testnet","amount":"10000000000000000000000","memo":"FTs Minted"}]} Transaction Id Fhqa8YDLKxnxM9jjHCPN4hn1w1RKESYrav3kwDjhWWUu To see the transaction in the transaction explorer, please open this url in your browser https://testnet.nearblocks.io/txns/Fhqa8YDLKxnxM9jjHCPN4hn1w1RKESYrav3kwDjhWWUu " * To view tokens owned by an account you can call the FT contract with the followingnear-cli * command:

near view ft.predeployed.examples.testnet ft_balance_of '{"account_id": "'NEARID'"}' Example response: '2250000000000000000000' Congratulations! You just received your first Team Tokens on the NEAR blockchain!

Now try going to yourNEAR Wallet and view your FTs in the "Balances" tab.

Pre-deployed Contract The contract used in this section has been modified such that you can infinitely getgtNEAR by callingft_mint . This function is not part of the FTstandards and has been implemented for the purpose of this tutorial.

Final remarks

This basic example illustrates all the required steps to call an FT smart contract on NEAR and receive your own fungible tokens.

Now that you're familiar with the process, you can jump toContract Architecture and learn more about the smart contract structure and how you can build your own FT contract from the ground up.

Happy minting!

Versioning for this article At the time of this writing, this example works with the following versions:

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