Pre-deployed Contract

Learn how to easily create your own non-fungible tokens without doing any software development by using a readily-available NFT smart contract.

Prerequisites

To complete this tutorial successfully, you'll need:

- A NEAR Wallet
- NEAR-CLI

Using the NFT 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 (or.near formainnet). * Test that the environment variable is set correctly by running:

echo NEARID

Minting your NFTs

NEAR has deployed an NFT contract to the accountnft.examples.testnet which allows users to freely mint tokens. Using this pre-deployed contract, let's mint our first token!

- Run this command in your terminal, however youmust replace thetoken_id
- value with an UNIQUE string
- .

near call nft.examples.testnet nft_mint '{"token_id": "TYPE_A_UNIQUE_VALUE_HERE", "receiver_id": "'NEARID'", "metadata": { "title": "GO TEAM", "description": "The Team Goes", "media": "https://bafybeidl4hjbpdr6u6xvlrizwxbrfcyqurzvcnn5xoilmcqbxfbdwrmp5m.ipfs.dweb.link/", "copies": 1}}' --accountId NEARID --deposit 0.1 tip You can also replace themedia URL with a link to any image file hosted on your web server. Example response: Log [nft.examples.testnet]: EVENT_JSON:{"standard":"nep171","version":"nft-1.0.0","event":"nft_mint","data": [{"owner_id":"benjiman.testnet","token_ids":["TYPE_A_UNIQUE_VALUE_HERE"]}]} Transaction Id 8RFWrQvAsm2grEsd1UTASKpfvHKrjtBdEyXu7WqGBPUr To see the transaction in the transaction explorer, please open this url in your browser https://testnet.nearblocks.io/txns/8RFWrQvAsm2grEsd1UTASKpfvHKrjtBdEyXu7WqGBPUr " * To view tokens owned by an account you can call the NFT contract with the followingnear-cli * command:

near view nft.examples.testnet nft_tokens_for_owner '{"account_id": "'NEARID'"}' Example response: [{ "token_id": "Goi0CZ", "owner_id": "bob.testnet", "metadata": { "title": "GO TEAM", "description": "The Team Goes", "media": "https://bafybeidl4hjbpdr6u6xvlrizwxbrfcyqurzvcnn5xoilmcqbxfbdwrmp5m.ipfs.dweb.link/", "media_hash": null, "copies": 1, "issued_at": null, "expires_at": null, "starts_at": null, "updated_at": null, "extra": null, "reference": null, "reference_hash": null }, "approved_account_ids": {} }] Congratulations! You just minted your first NFT token on the NEAR blockchain!

Now try going to yourNEAR Wallet and view your NFT in the "Collectibles" tab.

Final remarks

This basic example illustrates all the required steps to call an NFT smart contract on NEAR and start minting your own non-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 NFT contract from the ground up.

Happy minting!

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

- near-cli:4.0.4

- NFT standard: [NEP171](#)
- , version1.1.0 [Edit this page](#) Last updatedonFeb 16, 2024 bygarikbesson Was this page helpful? Yes No