

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 with `near-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 replace `YOUR_ACCOUNT_NAME` with the account name you just logged in with including the `testnet` (or `near` for `mainnet`). * Test that the environment variable is set correctly by running:

`echo NEARID`

Minting your NFTs

NEAR has deployed an NFT contract to the account `nft.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 you must replace the `token_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 the media 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 `8RfWvRqVasm2grEsd1UTASKpfvHKrjtBdEyXu7WqGBPUr` To see the transaction in the transaction explorer, please open this url in your browser `https://testnet.nearblocks.io/txns/8RfWvRqVasm2grEsd1UTASKpfvHKrjtBdEyXu7WqGBPUr` * To view tokens owned by an account you can call the NFT contract with the following `near-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 your [NEAR 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 to [Contract 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](#)
- , version 1.1.0 [Edit this page](#) Last updated on Feb 16, 2024 by garikbesson Was this page helpful? Yes No

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