

# Reference Contracts

This page is dedicated to community tutorials and code repositories that provide helpful references for writing Secret Network contracts as well as building full-stack Secret Networks dApps.

## SNIP-20 Contracts

To master the SNIP-20 contract specifications, you can refer to these two key parts:

- [SNIP-20 specifications](#)
- [SNIP-20 reference implementation](#)
- 

## SNIP-721 NFT

To master the SNIP-721 contract specifications for Non-Fungible Tokens (NFT), you can refer to these two key parts:

- [SNIP-721 specifications](#)
- [SNIP-721 reference implementation](#)
- [SNIP-721 Migrateable](#)
- 

## Additional Reference Contracts

Here are some examples of additional Secret Contracts for reference:

### Cosmwasm v1.0

- [Millionaire's Problem](#)
- - This is part of the [Getting Started Guide](#)
- . It is meant as an easy to understand first contract example that solves the Millionaire's Problem.
- [Secret Template](#)
- - Quick-start template to start developing Secret Contracts.
- [Template with Viewing Keys and Permits](#)
- - Includes messages for frequently used permissioned functionality.
- [SNIP-20](#)
- - Reference implementation of Secret Tokens.
- [SNIP-1155](#)
- - Reference Implementation of Private Multitokens.
- [SNIP-721](#)
- - Reference implementation of Secret NFTs.
- [Factory Contract Template](#)
- - Demonstrates how to use a parent contract to create offspring contracts.
- [Cross-Chain Contracts Demo](#)
- - Example of a contract that can be uploaded to both secret and non-secret cosmwasm chains.
- 

### Cosmwasm v0.10

- [Secret Dice](#)
- - Simple betting game on the outcome of a dice roll, with a video tutorial.
- [Simple Voting](#)
- - Example of a voting contract.
- [NFT Minting](#)
- - Template for launching NFT projects that need randomized minting.
- [Secret Contract Verifier](#)
-

- Verifies that an on-chain contract is indeed running a specific code [Frontend](#)
- .
- [Funds Forwarding](#)
- 
- A smart contract that receives tokens and distributes them to multiple addresses [Frontend](#)
- .
- [NFT Authorization](#)
- 
- Get authorized to web3 places by proving you are the owner of an NFT [Frontend](#)
- .
- [SNIP3 \(Fixed Multisig\)](#)
- 
- A wallet that is collectively controlled by multiple accounts.
- [Price Oracle](#)
- 
- Example how real-world data could be inserted on chain by validators.
- [Sealed Bid Auction](#)
- .
- [Token vesting contract](#)
- 
- Demonstrates Vesting implementation
- [Fractionalized NFTs](#)
- 
- These are the standard specifications and reference contract that implements the base standard required for fractionalized NFTs on Secret Network.
- 

Last updated 3 months ago On this page \* [SNIP-20 Contracts](#) \* [SNIP-721 NFT](#) \* [Additional Reference Contracts](#)

Was this helpful? [Edit on GitHub](#) [Export as PDF](#)