



Smart Contract Audit

FOR
Soul Tunes

DATED : 24 April, 2024



AUDIT SUMMARY

Project name – Soul Tunes

Date: 24 April, 2024

Scope of Audit- Audit Ace was consulted to conduct the smart contract audit of the solidity source codes.

Audit Status: **Passed**

Issues Found

Status	Critical	High	Medium	Low	Suggestion
Open	0	0	1	0	0
Acknowledged	0	0	0	0	0
Resolved	0	0	0	0	0



Token Information

Token Name : Soul Tunes

Token Symbol: Tune

Decimals: 6

Current Supply: 100,000,000.00

Unlocked: 100,000,000.00 (100%)

Network: SolScan

Token Type: Solana Token

Token Address:

FPnnsrMnsPvw9Wa5mec9BmU6CtHTt6BgSPNvv11PtxHx

Update Authority:

2wdZGdsxaNrWuwUBrz9V61wc1BNnWVFX2CU444G3qWYX

Creator:

2wdZGdsxaNrWuwUBrz9V61wc1BNnWVFX2CU444G3qWYX



TOKEN OVERVIEW

Fees: 0%

Ownership: Renounced

Minting: No mint function

Freeze Authority: No

Metadata Update Authority: Yes

Listing : Raydium AMM V4

Metaplex Metadata

Solana metadata is the additional information that accompanies a digital asset or NFT (Non-Fungible Token) on the Solana blockchain network. This information often includes the asset's name, description, image, attributes, and other key data that describe the asset more fully.

In Solana's ecosystem, this metadata is usually stored in JSON format and is connected to the asset through its unique identifier, or token ID. The purpose of this metadata is to provide essential details about the asset, enhancing the ability of users and applications to engage with and understand the asset.

Metaplex Metadata (on-chain data)

[View URI Metadata](#)

```
{
  "key": 4,
  "updateAuthority": "2wdZGdsxaNrWuwUBrz9V61wc18NniVFX2CU444G3qWYX",
  "mint": "FPnnsrHnsPvw9W5mec98mU6CtHTt6BgSPWv11PtXdx",
  "data": {
    "name": "Soul Tunes",
    "symbol": "Tune",
    "uri": "https://nftstorage.link/ipfs/bafkreic3snamsv6u2gjd556k5l2buzgkvxxd5ym22r6gyqzxbd ...",
    "sellerFeeBasisPoints": 0,
    "creators": [
      {
        "address": "2wdZGdsxaNrWuwUBrz9V61wc18NniVFX2CU444G3qWYX",
        "verified": 1,
        "share": 100
      }
    ]
  },
  "primarySaleHappened": 0,
  "isMutable": 1,
  "editionNonce": 255,
  "tokenStandard": 2
}
```



URI Metadata

URI metadata within the Solana ecosystem pertains to the information linked to a token, which is accessed through its Uniform Resource Identifier (URI).

<https://nftstorage.link/ipfs/bafkreic3snamsv6u2gjd556k5l2buzgkvxxd5ym22r6gyqwzbdtzegoukq>



METADATA RESULTS

key : 4

updateAuthority :

2wdZGdsxaNrWuwUBrz9V61wc1BNnWVFX2CU444G3qWYX

mint : FPnnsrMnsPvw9Wa5mec9BmU6CtHTt6BgSPNvv11PtxHx

name : Soul Tunes

symbol : Tune

uri :

[https://nftstorage.link/ipfs/bafkreic3snamsv6u2gjd556k5l2buzgkvx
xd5ym22r6gyqwzbdztzegoukq](https://nftstorage.link/ipfs/bafkreic3snamsv6u2gjd556k5l2buzgkvx
xd5ym22r6gyqwzbdztzegoukq)

sellerFeeBasisPoints : 0

primarySaleHappened : 0

isMutable : 1

editionNonce : 255

tokenStandard : 2



CLASSIFICATION OF RISK

Severity

Description

◆ Critical	These vulnerabilities could be exploited easily and can lead to asset loss, data loss, asset, or data manipulation. They should be fixed right away.
◆ High-Risk	A vulnerability that affects the desired outcome when using a contract, or provides the opportunity to use a contract in an unintended way.
◆ Medium-Risk	A vulnerability that could affect the desired outcome of executing the contract in a specific scenario.
◆ Low-Risk	A vulnerability that does not have a significant impact on possible scenarios for the use of the contract and is probably subjective.
◆ Gas Optimization /Suggestion	A vulnerability that has an informational character but is not affecting any of the code.

Findings

Severity

Found

◆ Critical	0
◆ High-Risk	0
◆ Medium-Risk	1
◆ Low-Risk	0
◆ Gas Optimization / Suggestions	0

MANUAL TESTING

Coding Style

Severity: Medium

Function: Ability to update token metadata

Overview:

Metadata of a token encompasses details like its name, symbol, image, and additional information. The ability to update this metadata is held by the owner of the token contract.

Suggestion:

The `updateAuthority` has the capability to modify the token metadata, which encompasses the name, symbol, and logo of the token. Although it's quite rare, we believe it's important to mention this possibility.

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