Cyberscope

Audit Report

The Simpsons

March 2024

Network	SOL
Type	SPL-Token
Address	6kSFM8teu4k9yvLGS1QtpPG33Z7xEmJ8iaRv6dEijc89
Audited by	© cyberscope

Analysis

● Critical   ● Medium   ● Minor / Informative   ● Pass

Severity	Code	Description	Status
●	ST	Stops Transactions	Passed
●	OTUT	Transfers User's Tokens	Passed
●	ELFM	Exceeds Fees Limit	Passed
●	MT	Mints Tokens	Passed
●	BT	Burns Tokens	Passed
●	BC	Blacklists Addresses	Passed

Table of Contents

Review

Network	SOL
Explorer	https://solscan.io/token/6kSFM8teu4k9yvLGS1QtpPG33Z7xEmJ8iaRv6dEijc89
Fixed Supply	100,000,000
Website	https://thesimpsonsdonuts.com
Telegram	https://t.me/TheSimpsonsOfficial
Token name	The Simpsons (DONUTS)
Token address	6kSFM8teu4k9yvLGS1QtpPG33Z7xEmJ8iaRv6dEijc89
Owner Program	Token Program
Decimals	9
Signature	3xeWaneCVVb3MFnsyuTiZTuurVq57ULnFwYoUNZo8Vrz3UnekVNVJQtrKPVfttFWcT3eBwNnTUegUe9mNEMTv24H
Block	#253708756
Deploy Time	March 12, 2024 14:15:10 Eastern European Standard Time
Instructions	Unknown, Unknown, Unknown, Unknown, CreateAccount, InitializeMint, Create, CreateAssociatedAccount, MintTo, SetAuthority, SetAuthority
By	5p8CVcctdCyYpYNgAoZVTuQ7fywr2pEWq2ipuMUg4rKL
MintTokens Authority	None
FreezeAccount Authority	None
Metadata File Type	JSON

Name	The Simpsons
Symbol	DONUTS
Image	https://bafkreiglam6g4huyue2ityob6pa5ujdo5okv5otnfmwp3hfaf5gpr2gtkm.ipfs.nftstorage.link
Total Transfers (At the time of the report)	0
Total Transactions (At the time of the report)	3
Total Holders (At the time of the report)	1

Audit Updates

Initial Audit	14 Mar 2024

Source Files

Filename	JSON
Metadata/JSON	https://solscan.io/token/6kSFM8teu4k9yvLGS1QtpPG33Z7xEmJ8iaRv6dEijc89#metadata

Overview

The `The Simpsons` token, symbolized as `DONUTS`, is a distinguished SPL (Solana Program Library) token initialized using the `TokenkegQfeZyiNwAJbNbGKPFXCWuBvf9Ss623VQ5DA` Token Program on the Solana blockchain. The `The Simpsons` token has a fixed supply of 100,000,000 tokens since the minting authority has been renounced. This ensures a stable and unchangeable total supply, enhancing its value proposition within the ecosystem. The token uses the image URL

https://bafkreiglam6g4huyue2ityob6pa5ujdo5okv5otnfmwp3hfaf5gpr2gtkm.ipfs.nftstorage.link. This image is used for visual identification of the token across various platforms and marketplaces. Overall, the `The Simpsons` token is a distinct entity within the Solana network, identifiable by its unique characteristics as outlined in its metadata.

Transactions

At the time of this report, the transactions of "The Simpsons" token are as follows:

Status	Signature	Block	Time (UTC)	Instructions	By	Fee (SOL)
Fail	27mUCVJR...7Mv2t8	#254009841	03-13-2024 23:41:58	Compute-Budget-Set-Compute-Unit-Price, Compute-Budget-Set-Compute-Unit-Limit, Unknown, SetAuthority	5p8CVcctdCyYpYNgAoZVTuQ7fywr2pEWq2ipuMUg4rKL	0.000045
Fail	TyyqiximGx...fFTd	#254009675	03-13-2024 23:40:50	Compute-Budget-Set-Compute-Unit-Price, Compute-Budget-Set-Compute-Unit-Limit, Unknown, SetAuthority	5p8CVcctdCyYpYNgAoZVTuQ7fywr2pEWq2ipuMUg4rKL	0.000045
Success	3xeWane...MTv24H	#253708756	03-12-2024 12:15:10	Unknown, Unknown, Unknown, Unknown, CreateAccount, InitializeMint, Create, CreateAssociatedAccount, MintTo, SetAuthority, SetAuthority	5p8CVcctdCyYpYNgAoZVTuQ7fywr2pEWq2ipuMUg4rKL	0.00001

Holders

At the time of this report, the holders of "The Simpsons" token are as follows:

#	Token Account		Quantity	Percentage
1	5Pe8WWqZcn1pKySYt988Eb5mK1AagefUFc622Eb9qPoc		100,000,000	100.0000%

Metadata

MetaplexMetadata

The Metaplex Metadata provides details of the characteristics of the `The Simpsons` token which uses the `DONUTS` symbol, a distinctive digital asset on the Solana blockchain tailored for utilizing the Metaplex Metadata. This metadata includes crucial information necessary for the asset's seamless integration and operation within the Solana ecosystem. The `updateAuthority` field is designated to the account capable of modifying this metadata, identified by the public key `5p8CVcctdCyYpYNgAoZVTuQ7fywr2pEWq2ipuMUg4rKL`. Furthermore, the mint attribute specifies the account `6kSFM8teu4k9yvLGS1QtpPG33Z7xEmJ8iaRv6dEijc89` authorized for the initial token mint.

```
{
  "key": 4,
  "updateAuthority": "5p8CVcctdCyYpYNgAoZVTuQ7fywr2pEWq2ipuMUg4rKL",
  "mint": "6kSFM8teu4k9yvLGS1QtpPG33Z7xEmJ8iaRv6dEijc89",
  "data": {
    "name": "The Simpsons",
    "symbol": "DONUTS",
    "uri":
"https://bafkreicnxklryo3d6ntkfjfvk2wjbx6qj3t5g5cw2oq6vwukx73iuwzjvy.ipfs
.nftstorage.link",
    "sellerFeeBasisPoints": 0
  },
  "primarySaleHappened": 0,
  "isMutable": 0,
  "editionNonce": 255,
  "tokenStandard": 2,
  "name": "The Simpsons",
  "symbol": "DONUTS",
  "description": "Welcome to the FIRST Simpson NFT + Staking 🍩 on
Solana! \nEnding the era of dogs, cats and frogs, with no taxes, the
$DONUTS is coming on Solana. \n$DONUTS will lead this meme-season forever
🔥",
  "extensions": {
    "website": "https://thesimpsonsdonuts.com",
    "twitter": "https://x.com/CertifiedDonuts",
    "telegram": "https://t.me/TheSimpsonsOfficial"
  },
  "image":
"https://bafkreiglam6g4huyue2ityob6pa5ujdo5okv5otnfmwp3hfaf5gpr2gtkm.ipfs
.nftstorage.link"
```

Metadata description

The `data` section within the metadata discloses the asset's name as "The Simpsons" , its trading symbol as "DONUTS", and a URI pointing to "https://bafkreicnxklryo3d6ntkfjfvk2wjbx6qj3t5g5cw2oq6vwukx73iuwzjvy.ipfs.nftstorage.link". Notably, the asset imposes a seller fee of 0 basis points, indicating no transaction fee for trading was set in the deploying phase. The metadata indicates that the asset has not yet undergone its primary sale (`primarySaleHappened` : 0) and is marked as immutable (`isMutable` : 0), not allowing for future changes to the metadata. An `editionNonce` of `255` denotes a unique edition, and the asset conforms to a specific token standard within the Solana network (`tokenStandard` : 2), ensuring its compatibility and standardization across the platform. This detailed metadata structure offers a comprehensive overview of "The Simpsons's" key features and its operational framework within the Metaplex ecosystem on Solana.

Field	Value	Description
key	4	Account discriminator that identifies the type of metadata account
updateAuthority	5p8CVcctdCyYpYNgAoZVTuQ7fywr2pEWq2ipuMUg4rKL	The public key that is allowed to update this account
mint	6kSFM8teu4k9yvLGS1QtpPG33Z7xEmJ8iaRv6dEijc89	The public key of the Mint Account it derives from
name	The Simpsons	The on-chain name of the token
symbol	DONUTS	The on-chain symbol of the token
uri	https://bafkreicnxklryo3d6ntkfjfvk2wjbx6qj3t5g5cw2	The URI to the external metadata. This URI points to an off-chain JSON file that contains additional data following a certain standard

	oq6vwukx73iuwzjvy.ipfs.nf tstorage.link	
sellerFeeBasisPo ints	0	The royalties shared by the creators in basis points — This field is used by most NFT marketplaces, it is not enforced by the Token Metadata program itself
primarySaleHap pened	0	A boolean indicating if the token has already been sold at least once. Once flipped to True, it cannot ever be False again. This field can affect the way royalties are distributed
isMutable	0	A boolean indicating if the metadata account can be updated. Once flipped to False, it cannot ever be True again
editionNonce	255	Unique identifier for this edition
tokenStandard	2	The standard of the token
description	Welcome to the FIRST Simpson NFT + Staking 🍩 on Solana! Ending the era of dogs, cats and frogs, with no taxes, the $DONUTS is coming on Solana. $DONUTS will lead this meme-season forever 🔥	The description of the asset
extensions	website, twitter, telegram	Extensions of the asset
image	https://bafkreiglam6g4huy ue2ityob6pa5ujdo5okv5ot nfmwp3hfaf5gpr2gtkm.ipfs .nftstorage.link	Image of the asset

Findings Breakdown

Severity	Unresolved	Acknowledged	Resolved	Other
🔴 Critical	0	0	0	0
🟡 Medium	0	0	0	0
⚪ Minor / Informative	0	0	0	0

Summary

The "The Simpsons" token, built on the Solana network, implements a robust structure that was initialized using the Token program, with analysis revealing no critical issues.

The mint authority has been renounced. The information regarding the transaction can be accessed through the following link:

https://solscan.io/tx/3xeWaneCVVb3MFnsyuTiZTuurVq57ULnFwYoUNZo8Vrz3UnekVNVJQt rKPVfttFWcT3eBwNnTUegUe9mNEMTv24H

The freeze authority has been renounced. The information regarding the transaction can be accessed through the following link:

https://solscan.io/tx/3xeWaneCVVb3MFnsyuTiZTuurVq57ULnFwYoUNZo8Vrz3UnekVNVJQt rKPVfttFWcT3eBwNnTUegUe9mNEMTv24H

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Blockchain technology and cryptographic assets present a high level of ongoing risk Cyberscope's position is that each company and individual are responsible for their own due diligence and continuous security Cyberscope's goal is to help reduce the attack vectors and the high level of variance associated with utilizing new and consistently changing technologies and in no way claims any guarantee of security or functionality of the technology we agree to analyze. The assessment services provided by Cyberscope are subject to dependencies and are under continuing development. You agree that your access and/or use including but not limited to any services reports and materials will be at your sole risk on an as-is where-is and as-available basis Cryptographic tokens are emergent technologies and carry with them high levels of technical risk and uncertainty. The assessment reports could include false positives false negatives and other unpredictable results. The services may access and depend upon multiple layers of third parties.

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Cyberscope is a blockchain cybersecurity company that was founded with the vision to make web3.0 a safer place for investors and developers. Since its launch, it has worked with thousands of projects and is estimated to have secured tens of millions of investors' funds.

Cyberscope is one of the leading smart contract audit firms in the crypto space and has built a high-profile network of clients and partners.

The Cyberscope team

https://www.cyberscope.io