



Cyberscope

Audit Report

dogwifhat

April 2024

Network SOL

Type SPL-Token

Address EKpQGSJtjMFqKZ9KQanSqYXRcF8fBopzLHYxdM65zcjm

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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

Analysis	1
Table of Contents	2
Review	3
Audit Updates	3
Source Files	3
Overview	4
Metadata	5
Findings Breakdown	8
Summary	9
Disclaimer	10
About Cyberscope	11

Review

Network	SOL
Explorer	https://solscan.io/token/EKpQGSJtjMFqKZ9KQanSqYXRcF8fBopzLHYxdM65zcjm
Fixed Supply	998,906,272.68
Token Address	EKpQGSJtjMFqKZ9KQanSqYXRcF8fBopzLHYxdM65zcjm
Token name	dogwifhat (\$WIF)
Owner Program	Token Program
Decimals	6
MintTokens Authority	Revoked
FreezeAccount Authority	Revoked
Metadata File Type	JSON
Badge Eligibility	Yes

Audit Updates

Initial Audit	04 Apr 2024
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Source Files

Filename	JSON
Metadata/JSON	https://solscan.io/token/EKpQGSJtjMFqKZ9KQanSqYXRcF8fBopzLHYxdM65zcjm#metadata

Overview

The dogwifhat token symbolized as \$WIF, is a distinguished SPL (Solana Program Library) token initialized using the `TokenkegQfeZyiNwAJbNbGKPFXCWuBvf9Ss623VQ5DA` Token Program on the Solana blockchain, with a fixed supply of `998,906,272.68` tokens since the mint has been disabled. This ensures a stable and unchangeable total supply, enhancing its value proposition within the ecosystem. The token uses the URL <https://bafkreihwqhounu3cdwgvk2gc2dqcinptlccbo3xcy4xuerd24yndldl5q.ipfs.nftstorage.link>, which points to a decentralized storage service while the <https://bafkreibk3covs5ltyqxa272uodhculbr6kea6betidfwy3ajsav2vjzyum.ipfs.nftstorage.link> image is used for visual identification of the token across various platforms and marketplaces. Overall, the project is a distinct entity within the Solana network, identifiable by its unique characteristics as outlined in its metadata.

Both the contract's mint and freeze authority have been renounced.

Metadata

The Metaplex Metadata provides details of the characteristics of the `dogwifhat` token, 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. Specifically, the update authority attribute specified the account `wifq4CRwpXCK8NYtKNsQAYoDethT1aR7R1DaKCLFgAd` authorized to modify the metadata. The mint attribute specified the account `EKpQGSJtjMFqKZ9KQanSqYXRcF8fBopzLHYxdM65zcjm` authorized for the initial token mint. 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 254 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 `dogwifhat` key features and its operational framework within the Metaplex ecosystem on Solana.

```
{
  "key": 4,
  "updateAuthority": "wifq4CRwpXCK8NYtKNsQAYoDethT1aR7R1DaKCLFgAd",
  "mint": "EKpQGSJtjMFqKZ9KQanSqYXRcF8fBopzLHYxdM65zcjm",
  "data": {
    "name": "dogwifhat",
    "symbol": "$WIF",
    "uri":
      "https://bafkreihwqhounu3cdwgvk2gc2dqcinptlccbo3xcy4xuerd24ynd1d15q.ipfs.nfts
      torage.link",
    "sellerFeeBasisPoints": 0
  },
  "primarySaleHappened": 0,
  "isMutable": 0,
  "editionNonce": 254,
  "tokenStandard": 2
}
```

Field	Value	Description
key	4	Account discriminator that identifies the type of metadata account
updateAuthority	wifq4CRwpXCK8NYtKNsQAY oDethT1aR7R1DaKCLFgAd	The public key that is allowed to update this account
mint	EKpQGSJtjMFqKZ9KQanSqY XRcF8fBopzLHYxdM65zcjm	The public key of the Mint Account it derives from
name	dogwifhat	The on-chain name of the token
symbol	\$WIF	The on-chain symbol of the token
uri	https://bafkreihwqhounu3cdwgvk2gc2dqcinpntlccbo3xcy4xuerd24yndldl5q.ipfs.nftstorage.link	The URI to the external metadata. This URI points to an off-chain JSON file that contains additional data following a certain standard
sellerFeeBasisPoints	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
primarySaleHappened	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	254	Unique identifier for this edition
tokenStandard	2	The standard of the token

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 dogwifhat token, built on the Solana network, implements a robust smart contract structure that was initialized using the Token program. The dogwifhat token is an interesting project that has a friendly and growing community. The Contract analysis reported no compiler errors or critical issues.

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About Cyberscope

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>