



# SMART CONTRACT CODE REVIEW AND SECURITY ANALYSIS REPORT



**Toto inu**

\$TOTO

**07/03/2024**



# TOKEN OVERVIEW

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## Fees

- Buy fees: N/A
- Sell fees: N/A

## Fees privileges

- N/A

## Ownership

- Owned

## Minting

- N/A

## Max Tx Amount / Max Wallet Amount

- N/A

## Blacklist

- N/A

## Other privileges

- LP has to be added manually by the team
-

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TECHNICAL DISCLAIMER



# DISCLAIMER

The information provided on this analysis document is only for general information and should not be used as a reason to invest.

FreshCoins Team will take no payment for manipulating the results of this audit.

The score and the result will stay on this project page information on our website <https://freshcoins.io>

FreshCoins Team does not guarantees that a project will not sell off team supply, or any other scam strategy ( RUG or Honeypot etc )



# INTRODUCTION

**FreshCoins** (Consultant) was contracted by **Toto inu** (Customer) to conduct a Smart Contract Code Review and Security Analysis.

**CnLtRENF7pPHh3mLR5vGz2kjyv7RTVnA22XeuuJHsTXM**

Network: **Solana (SOL)**

This report presents the findings of the security assessment of Customer's smart contract and its code review conducted on **07/03/2024**



# WEBSITE DIAGNOSTIC

<https://www.totoinu.net/>



0-49



50-89



90-100



Performance



Accessibility



Best  
Practices



SEO



Progressive  
Web App

## Socials



Twitter

[https://twitter.com/totoinu\\_sol](https://twitter.com/totoinu_sol)



Telegram

[https://t.me/toto\\_inu\\_sol](https://t.me/toto_inu_sol)

# AUDIT OVERVIEW



Security Score  
**HIGH RISK**  
Audit FAIL



Auditing Request

07.03.2024



Onboarding Process

07.03.2024



Audit Preview

08.03.2024



Audit Release

08.03.2024



High



Medium



Low



Optimizations



Informational



4

# TOKEN SUMMARY

Address:	CnLtRENF7pPHh3mLR5vGz2kjoyv7RTVnA22XeuuJHsTXM
Name:	Toto Inu
Symbol:	TOTO
Decimals:	6
Supply:	1,000,000,000.00
Platform:	Solana
Contract Name:	TotoInu
Optimization:	Yes
License Type:	Unlicensed
Language:	Rust

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# PROJECT OVERVIEW

## METADATA RESULTS

key:	4
updateAuthority:	BacpmAMbLEY9LMvn1Lnx5cJFqh9jvtZTtg36BoYvUGMh
mint:	CnLtRENF7pPHh3mLR5vGz2kjoyv7RTVnA22XeuuJHsTXM
sellerFeeBasisPoints:	0
primarySaleHappened:	0
isMutable:	1
editionNonce:	255
tokenStandard:	2

## URI METADATA

Solana URI Metadata pertains to the information linked with a token, which is fetched from its Uniform Resource Identifier (URI)

<https://bafkreia5n3ggs3smghbsv7vmyibb6gzvdyrbdypod5sxlhupjw3gkxtpc4.ipfs.nftstorage.link>

```

{
  "root": {
    "key": 4
    "updateAuthority": "BacpmAMbLEY9LMvn1Lnx5cJFqh9jvtZTtg36BoYvUGMh"
    "mint": "CnLtRENF7pPHh3mLR5vGz2kjoyv7RTVnA22XeuuJHsTXM"
    "data": {
      "name": "Toto inu"
      "symbol": "TOTO"
      "uri": "https://bafkreia5n3ggs3smghbsv7vmyibb6gzvdyrbdypod5sxlhupjw3gkxtpc4.ipfs.nftstorage.link"
      "sellerFeeBasisPoints": 0
    }
    "primarySaleHappened": 0
    "isMutable": 1
    "editionNonce": 255
    "tokenStandard": 2
    "name": "Toto inu"
    "symbol": "TOTO"
  }
}
```

# PROJECT OVERVIEW

## METADATA RESULTS

**key:** This is an integer value that signifies the key linked to the root object

**updateAuthority:** This is a string value that denotes the update authority for the program

**mint:** This is a string value that signifies the mint address associated with the program

**sellerFeeBasisPoints:** This is an integer value that represents the seller fee basis points

**primarySaleHappened:** This is an integer value that indicates whether the primary sale of the token has occurred

**isMutable:** This is an integer value that indicates the mutability of the token. A value of 1 suggests that the token is mutable, while a value of 0 indicates that the token is not mutable

**editionNonce:** This is an integer value that denotes the edition nonce for the token

**tokenStandard:** This is an integer value that signifies the token standard for the program

# PROJECT OVERVIEW

## METAPLEX METADATA

Solana metadata encompasses supplementary information linked to a digital asset or NFT on the Solana blockchain. This information comprises details such as the asset's name, description, image, attributes, and other pertinent data

In the Solana context, metadata is usually stored in JSON format and associated with the unique identifier or token ID of assets. This metadata offers crucial information about the asset, enabling users and applications to comprehend and engage with it effectively.

```
▼ "root" : { 17 items
  "name" : string "Toto inu"
  "symbol" : string "TOTO"
  "description" :
    string "TOTO INU is a decentralized token on the SOLANA blockchain that aims to revolutionize the DeFi space by providing a unique, community-driven ecosystem for investors and traders."
  ▼ "extensions" : { 5 items
    "website" : string "totoinu.net"
    "twitter" : string "x.com/toto_inu_sol"
    "telegram" : string "t.me/toto_inu_sol"
    "discord" : string ""
    "description" :
      string "TOTO INU is a decentralized token on the SOLANA blockchain that aims to revolutionize the DeFi space by providing a unique, community-driven ecosystem for investors and traders."
  }
  "image" : string "https://bafybeidpofodologytpxptsg5gmwre2oaagizga2iyiybtnmda663olu.ipfs.nftstorage.link"
  "address" : string "CnLtRENf7pPHh3mLR5vGz2klyv7RTVnA22XeuuJHsTXM"
  "icon" : string ""
}
```

# TECHNICAL FINDINGS

- **Centralization / Privilege** (A private wallet owns a significant share of the supply)

During the contract deployment, all tokens are allocated to the contract deployer, presenting a potential risk of centralization. This is concerning because the deployer possesses the ability to distribute tokens without seeking consensus from the community

## Recommendation

We advise the team to maintain transparency regarding the initial token distribution process

- **LP has to be added manually by the team**

The team utilizing Pinksale Launchpad on the Solana blockchain needs to manually add the liquidity pool (LP) because Pinksale currently lacks an automatic listing feature for liquidity pools on the Solana Chain

- **Contract owner can update metadata** (such as its name, symbol, and other attributes)

## Token metadata are immutable

Tokens on the Solana blockchain can have mutable or immutable data. Immutable tokens have fixed data that cannot be altered once the token is created. On the other hand, mutable tokens allow for changes to their data, which can be useful in certain scenarios where updates to the token's attributes or properties are required.

It's important to note that the ability to modify token data introduces some considerations, such as potential security and trust issues, depending on the use case. Developers and users should carefully evaluate whether mutable tokens are suitable for their specific requirements and ensure proper security measures are in place to prevent unauthorized changes.

In summary, while mutable tokens can offer flexibility, it's essential to balance this with robust security measures to prevent undesirable outcomes and protect the integrity of the token system



### **Recommendation:**

The team should carefully manage the private keys of the owner's account. We strongly recommend a powerful security mechanism that will prevent a single user from accessing the contract admin functions. The risk can be prevented by temporarily locking the contract or renouncing ownership.



# CONCLUSION AND ANALYSIS



Smart Contracts within the scope were manually reviewed and analyzed with static tools.



Audit report overview contains all found security vulnerabilities and other issues in the reviewed code.



Found 2 HIGH issues during the first review.

# TOKEN DETAILS

## Details

Buy fees:	N/A
Sell fees:	N/A
Max TX:	N/A
Max Sell:	N/A

## Honeypot Risk





Ownership:	Owned
Blacklist:	Not detected
Modify Max TX:	Not detected
Modify Max Sell:	Not detected
Disable Trading:	Not detected

## Rug Pull Risk

Liquidity:	Unknown liquidity pools
Holders:	50% unlocked tokens



# LETOSHI TOKEN ANALYTICS & TOP 10 TOKEN HOLDERS

#	Token Account	Account	Quantity	Percentage	Value
1	 <a href="#">FegYDn...TetEMK</a>	 <a href="#">BacpmA...YvUGMh</a>	500,000,000	50.0000%	
2	 <a href="#">7eiw1a...Rkf868</a>	 <a href="#">7rFtn9...lRz6kp</a>	500,000,000	50.0000%	



# TECHNICAL DISCLAIMER

Smart contracts are deployed and executed on the blockchain platform. The platform, its programming language, and other software related to the smart contract can have its vulnerabilities that can lead to hacks. The audit can't guarantee the explicit security of the audited project / smart contract.

