



Web3 security easier than ever



DOGEN

Token audit report

October 08, 2024

Table of contents

Table of contents	2
Methodology	3
Summary	4
Disclaimer	4
Vulnerabilities found by type	5
About	6
Token distribution	7
Minting authority	8
Freeze authority	8
Token Metadata	9
Token extentions	10
Token external dependencies	10
Findings	11
Verification data	12
Project evaluation	13
Contact information	14

Methodology

- Best code practices
- Manual code analysis
- Arithmetic Overflows / Underflows
- Hidden Malicious Code
- Code with no effects
- Floating points and numerical precision
- Race conditions / front running
- Use of deprecated functions
- Re-entrancy
- Unused vars
- Logical bugs & code logic issues
- Using components with known vulnerabilities
- Weak PRNG / Random number generators issues
- Denial of service (DOS)
- Solana account confusions
- External program validation failure
- Insufficient SPL Token Account verification
- Missing signer check
- Missing ownership check
- Signed invocation of unverified program
- Delegate call
- Default Visibilities
- Unchecked call return method
- External contract
- Entropy illusion
- Block timestamp manipulation
- Short address / Parameter attack

Summary

DOGEN token is a fungible meme token on the Solana network.

This audit encompasses the examination of the DOGEN token parameters.

Disclaimer

This is a final public security audit report version and does not include vulnerabilities that might have been found and addressed during the audit process.

An audit does not provide any warranties regarding the code security. We presume that a single audit cannot be considered totally sufficient and always recommend several independent audits and a public bug bounty program to ensure code security.

Please do not consider this report as investment and / or financial advice of any kind.

Vulnerabilities found by type

INFO	2
LOW	0
MEDIUM	0
HIGH	0
CRITICAL	0
Total	2

1. About

DOGEN token is a fungible meme token on the Solana network created using the Solana token program.

Token address:

[B7xavrAozTa1msQxu8YAcvPftf76x1fJYyLrYdTnbrah](https://solscan.io/token/B7xavrAozTa1msQxu8YAcvPftf76x1fJYyLrYdTnbrah)

Current basic on-chain data (as of October 08, 2024):

```
SPL Token Mint
Address: B7xavrAozTa1msQxu8YAcvPftf76x1fJYyLrYdTnbrah
Program: TokenkegQfeZyiNwAJbNbGKPFXCWuBvf9Ss623VQ5DA
Supply: 100000000000000000
Decimals: 6
Mint authority: (not set)
Freeze authority: (not set)
```

2. Token Distribution

Token distribution refers to the token allocation and / or dispersion among the holders. As is customary for the Solana Token Program, all initially minted tokens were transferred to the owner's account.

DOGEN token (mint) address:

[B7xavrAozTa1msQxu8YAcvPftf76x1fJYyLrYdTnbrah](https://solscan.io/address/B7xavrAozTa1msQxu8YAcvPftf76x1fJYyLrYdTnbrah)

DOGEN token authority:

[65zEawtiqL6wo4Q4mursdbV33YZQne5GZJ3spvzrL8vC](https://solscan.io/address/65zEawtiqL6wo4Q4mursdbV33YZQne5GZJ3spvzrL8vC)

Initial mint:

10,000,000,000.000000 DOGEN token

Minted / Transferred to:

Wallet account:

[B1Ey1uokrtsx2UHQJFma6pqeG7Cut2LTqRggfHRyH9KT](https://solscan.io/address/B1Ey1uokrtsx2UHQJFma6pqeG7Cut2LTqRggfHRyH9KT)

Token account:

[CD59sCM4VemF9QJqgYtXRnoN7b2RhbRoNV1gCYyJY4C8](https://solscan.io/address/CD59sCM4VemF9QJqgYtXRnoN7b2RhbRoNV1gCYyJY4C8)

TX:

[5yH1SZKJT91DmqHcHdfCYzmU9Exi2Unt13PvZCQJ7iqzsyXR2fdw97RGCK612djs7abP7Uhd8uBzps1PRsLexstr](https://solscan.io/tx/5yH1SZKJT91DmqHcHdfCYzmU9Exi2Unt13PvZCQJ7iqzsyXR2fdw97RGCK612djs7abP7Uhd8uBzps1PRsLexstr)

Current DOGEN token supply (as of October 08, 2024):

10,000,000,000.000000 DOGEN token

3. Minting Authority

A **minting authority** is a designated address or entity that has been granted the authority to generate tokens within the token ecosystem.

According to the on-chain analysis, the minting authority is **currently undefined**, implying that no new tokens can be created beyond the existing token supply.

4. Freeze Authority

A **freeze authority** is a control mechanism in SPL token ecosystems that enables a designated entity to halt the transfer of tokens for certain accounts.

According to the on-chain analysis, the freeze authority is **currently undefined**, indicating that there are no restrictions possible on the transfer of tokens for specific accounts.

5. Token Metadata

Token Metadata provides additional detailed token information such as token name, symbol (ticker) etc.

Metaplex Metadata

```

{
  "root": {
    "key": 4
    "updateAuthority": "65zEawtiqL6wo4Q4mursdbV33YZQne5GZJ3spvzrL8vC"
    "mint": "B7xavrAozTa1msQxu8YAcvPftf76x1fJYyLrYdTnbrah"
    "data": {
      "name": "DOGEN"
      "symbol": "DOGEN"
      "uri": "https://arweave.net/6pv9hkTWpFdaFzV20hp1aceF_E91W3c-LP9UM5JcKf4"
      "sellerFeeBasisPoints": 0
      "creators": undefined
    }
    "primarySaleHappened": 0
    "isMutable": 0
    "editionNonce": 254
    "tokenStandard": 2
    "collection": undefined
    "uses": undefined
  }
}

```

isMutable is set to 0 (False) which means DOGEN token Metadata cannot be further modified.

6. Token Extensions

DOGEN token has **no extensions**.

7. Token External Dependencies

The DOGEN token used **SPL (Solana Program Library) token program** to generate fungible tokens.

SPL token program address:

[TokenkegQfeZyiNwAJbNbGKPFXCWuBvf9Ss623VQ5DA](#)

8. Findings

8.1 NON-UNIQUE TOKEN NAMING DATA

Status: Acknowledged	INFO
Type: Other	
DOGEN token utilizes a non-unique name / ticker, which may potentially lead to phishing / defacement.	

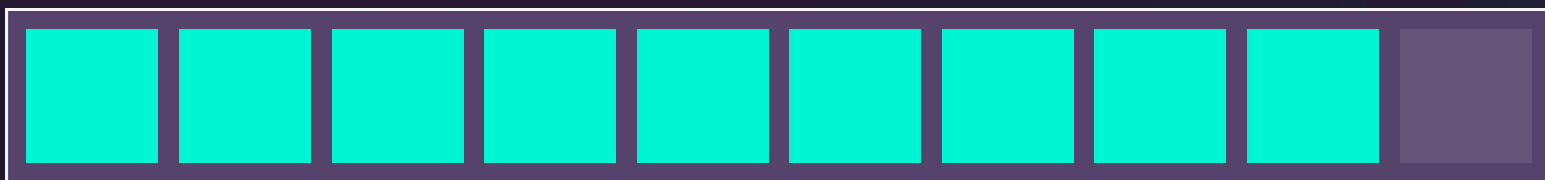
8.2 CENTRALIZED INITIAL TOKEN DISTRIBUTION

Status: Acknowledged	INFO
Type: Centralization	
<p>Upon contract deployment, all DOGEN tokens are transferred to a single account. This poses a potential risk of centralization, as the account has the ability to distribute tokens without community consensus.</p> <p>If the account holding undistributed tokens is compromised, the attacker could potentially steal and sell the tokens on the market, which could significantly harm the project.</p>	

Verification data

Token	Address on block explorer
DOGEN	https://explorer.solana.com/address/B7xavrAozTa1msQxu8YAcvPftf76x1fJYyLrYdTnbrah https://solscan.io/token/B7xavrAozTa1msQxu8YAcvPftf76x1fJYyLrYdTnbrah

Project evaluation



9/10

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