



KISHIELD

Security Audit

Sifu Inu Token

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Audit Summary

This report has been prepared for Sifu Inu Token on the Avalanche C-Chain network. KISHIELD provides both client-centered and user-centered examination of the smart contracts and their current status when applicable. This report represents the security assessment made to find issues and vulnerabilities on the source code along with the current liquidity and token holder statistics of the protocol.

A comprehensive examination has been performed, utilizing Cross Referencing, Static Analysis, In-House Security Tools, and line-by-line Manual Review.

The auditing process pays special attention to the following considerations:

- Ensuring contract logic meets the specifications and intentions of the client without exposing the user's funds to risk.
- Testing the smart contracts against both common and uncommon attack vectors.
- Inspecting liquidity and holders statistics to inform the current status to both users and client when applicable.
- Assessing the codebase to ensure compliance with current best practices and industry standards.
- Verifying contract functions that allow trusted and/or untrusted actors to mint, lock, pause, and transfer assets.
- Thorough line-by-line manual review of the entire codebase by industry experts.

Project Overview

Token Summary

Parameter	Result
Address	0x4123f55048889fa021dfb6de4b4071c6f90112ed
Name	Sifu Inu
Token Tracker	Sifu Inu (SIFU)
Decimals	18
Supply	25,000,000,000
Platform	Avalanche C-Chain
compiler	v0.8.10+commit.fc410830
Optimization	Yes with 200 runs
LicenseType	MIT
Language	Solidity
Codebase	https://snowtrace.io/ token/0x4123f55048889fa021dfb6de4b4071c6f90112ed
Url	https://sifuinu.io/

Main Contract Assessed

Name	Contract	Live
Sifu Inu	0x4123f55048889fa021dfb6de4b4071c6f90112ed	Yes

Smart Contract Vulnerability Checks

Vulnerability	Automatic Scan	Manual Scan	Result
Unencrypted Private Data On-Chain	Complete	Complete	✓ Low / No Risk
Code With No Effects	Complete	Complete	✓ Low / No Risk
Message call with hardcoded gas amount	Complete	Complete	✓ Low / No Risk
Hash Collisions With Multiple Variable Length Arguments	Complete	Complete	✓ Low / No Risk
Unexpected Ether balance	Complete	Complete	✓ Low / No Risk
Presence of unused variables	Complete	Complete	✓ Low / No Risk
Right-To-Left-Override control character (U+202E)	Complete	Complete	✓ Low / No Risk
Typographical Error	Complete	Complete	✓ Low / No Risk
DoS With Block Gas Limit	Complete	Complete	✓ Low / No Risk
Arbitrary Jump with Function Type Variable	Complete	Complete	✓ Low / No Risk
Insufficient Gas Griefing	Complete	Complete	✓ Low / No Risk
Incorrect Inheritance Order	Complete	Complete	✓ Low / No Risk
Write to Arbitrary Storage Location	Complete	Complete	✓ Low / No Risk
Requirement Violation	Complete	Complete	✓ Low / No Risk
Missing Protection against Signature Replay Attacks	Complete	Complete	✓ Low / No Risk
Weak Sources of Randomness from Chain Attributes	Complete	Complete	✓ Low / No Risk

Vulnerability	Automatic Scan	Manual Scan	Result
Authorization through tx.origin	Complete	Complete	✓ Low / No Risk
Delegatecall to Untrusted Callee	Complete	Complete	✓ Low / No Risk
Use of Deprecated Solidity Functions	Complete	Complete	✓ Low / No Risk
Assert Violation	Complete	Complete	✓ Low / No Risk
Reentrancy	Complete	Complete	✓ Low / No Risk
Unprotected SELFDESTRUCT Instruction	Complete	Complete	✓ Low / No Risk
Unprotected Ether Withdrawal	Complete	Complete	✓ Low / No Risk
Unchecked Call Return Value	Complete	Complete	✓ Low / No Risk
Outdated Compiler Version	Complete	Complete	✓ Low / No Risk
Integer Overflow and Underflow	Complete	Complete	✓ Low / No Risk
Function Default Visibility	Complete	Complete	✓ Low / No Risk

Contract Ownership

The contract ownership of Sifu Inu is not currently renounced. The ownership of the contract grants special powers to the protocol creators, making them the sole addresses that can call sensible ownable functions that may alter the state of the protocol.

The current owner is the address 0x7675e0650cc93f92b2fd84ec18cca713eb237ae2 which can be viewed from: [HERE](#)

The owner wallet has the power to call the functions displayed on the privileged functions chart below, if the owner wallet is compromised this privileges could be exploited.

We recommend the team to renounce ownership at the right timing if possible, or gradually migrate to a timelock with governing functionalities in respect of transparency and safety considerations.

Privileged Functions (onlyOwner)

Function Name	Parameters	Visibility
renounceOwnership	none	public
transferOwnership	address newOwner	public
_pause	none	internal
_unpause	none	internal
triggerTax	none	public
pause	none	public
unpause	none	public
burn	uint256 amount	public
enableBlacklist	address account	public
disableBlacklist	address account	public
exclude	address account	public
removeExclude	address account	public
setBuyTax	uint256 dev, uint256 marketing, uint256 liquidity, uint256 charity	public
setSellTax	uint256 dev, uint256 marketing, uint256 liquidity, uint256 charity	public
setTaxWallets	address dev, address marketing, address charity	public
enableTax	none	public

Function Name	Parameters	Visibility
disableTax	none	public

Important Notes To The Users:

- The transfer function is implemented correctly.
- The owner cannot mint tokens after initial contract deploy.
- The owner cannot change max tx amount.
- The owner can add and remove wallets form blacklist.
- The owner can change the fees related to buy and sell.
- The owner can include/exclude addresses from fees.
- The owner can stop trading.
- No high-risk Exploits/Vulnerabilities Were Found in the Source Code.

Audit Passed



Statistics

Liquidity Info

Parameter	Result
Pair Address	No Liquidity Yet
SIFU Reserves	0.00 SIFU
AVAX Reserves	0.00 AVAX
Liquidity Value	\$0 USD

Token (SIFU) Holders Info

Parameter	Result
SIFU Percentage Burnt	0.00%
SIFU Amount Burnt	0 SIFU
Top 10 Percentage Own	99.64%
Top 10 Amount Owned	24,910,898,751.54 SIFU
Top 10 Aprox Value	\$--- USD

LP (SIFU/AVAX) Holders Info

Parameter	Result
SIFU/AVAX % Burnt	0.00%
SIFU/AVAX Amount Burnt	0 SIFU
Top 10 Percentage Owned	0.00%
Top 10 Amount Owned	0 SIFU
Locked Tokens Percentage	0.00%
Locked Tokens Amount	0 SIFU

* All the data displayed above was taken on-chain at block 15655233

* The tokens on industry-standard burn wallets are not included on the top 10 wallets calculations

Liquidity Ownership

The token does not have liquidity at the moment of the audit, block 14772401

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