

KYC & AUDIT.

Novos is an agency specializing in blockchain technology solutions, Audits, KYC / Doxx.





Smart Contract Audit by NOVOS







SurvivalInu

Audit Passed





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NOVOS Audit Summary

This report has been prepared for Survival Inu Token on the DOGECHAIN network. Novos provides both clientcentered 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.



Parameter	Result
Address	0x293409c1f147c24d65Fb95e878Ae7f3c9adb44E9
Name	Survival INU
Token Tracker	\$SINU
Decimals	9
Supply	100,000,000
Platform	DOGECHAIN
Compiler	v0.8.7+commit.e28d00a7
Optimization	Yes with 200 runs
Other Settings:	default evmVersion
Language	Solidity
Codebase	https://explorer.dogechain.dog/address/0x293409c1f147c24d65Fb95e878Ae7 f3c9adb44E9/contracts
Url	https://survivalinu.com/

Main Contract Assessed

Name	Contract	Live
Survival INU	0x293409c1f147c24d65Fb95e878Ae7f3c9adb44E9	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









Smart Contract Vulnerability Checks

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 Survival INU Token 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. 01

The current owner is the address 0x09e94681B3877289Afc34C95506559d9Ec149d8f which can be viewed from: <u>HERE</u>

02

03

displayed on the priviliged functions chart below, if the owner wallet is compromised this privileges could be exploited.

The owner wallet has the power to call the functions

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.



Important Notes To The Users:



private BuyliquidityFee = 0; private BuydevFee = 0; private BuymarketingFee = 0; private BuybuybackFee = 0;

private SellliquidityFee = 3;

private SelldevFee = 1;

private SellmarketingFee = 5;

private SellbuybackFee = 0;

Max wallet & Transaction:

public _maxBuyTxAmount = _totalSupply / (200) * (4); // 2% public _maxSellTxAmount = _totalSupply / (200) * (4); // 2% public _maxWalletToken = _totalSupply / (200) * (4); // 2%



02

03

public swapThreshold = _totalSupply / 1000 * 1; // 0.1% public maxSwapSize = _totalSupply / 100 * 1; //1%





05

totalDOGEFee = totalFee - (liquidityFee / (2)

_maxWalletToken,"Total Holding is currently

require((heldTokens + amount) <=

limited, you can not buy that much.")

Only Owner allowed:

08

function setBuyFees(uint256 _liquidityFee, uint256 _buybackFee, uint256 _marketingFee, uint256 _devFee)

setSellFees(uint256_liquidityFee, uint256 _buybackFee, uint256 _marketingFee, uint256 _devFee) external onlyOwner

setSwapBackSettings(bool _enabled, uint256 _percentage_min_base10000, uint256 _percentage_max_base10000) external onlyOwner



Technical Findings Summary

Classification of Issues



High

Exploits, vulnerabilities or errors that will certainly or probabilistically lead towards loss of funds, control, or impairment of the contract and its functions. Issues under this classification are recommended to be fixed with utmost urgency

Effects are minimal in isolation and do not pose a significant danger to the project or its users. Issues under this classification are recommended to be fixed nonetheless.



Findings

Public function that could be declared external



ID	Severity	Contract	Function
01	Informational	Survival INU	Functions: size, getKeyAtIndex, getIndexOfKey

Description

Gas Optimization. Public function that could be declared external

Recommendation

Public functions that are never called by the contract should be declared external to save gas.



⁷ Novos Findings

Missing events arithmetic



ID	Severity	Contract	Function
02	Informational	Survival INU	Missing events for setWalletBalance, setMaxBuyTransaction, setMaxSellTransaction, setSwapTokensAtAmount, setSellTransactionMultiplier

Description

Functions that change critical arithmetic parameters should emit an event.

Recommendation

Emit corresponding events for critical parameter changes.



Priviliged Functions (onlyOwner & Others)

Function Name	Parameters	Visibility
✓ renounceOwnership	■ none	 external
✓ transferOwnership	 address newOwner 	• public
✓ prepareForPartherOrExchang eListing	 address_partnerOrExchangeAddress 	• external
✓ setWalletBalance	 uint256 _maxWalletBalance 	• external
✓ setMaxBuyTransaction	 uint256_maxTxn 	 external
✓ setMaxSellTransaction	 uint256_maxTxn 	 external
✓ updateBusdDividendToken	address_newContract	external
✓ updateMarketingWallet	 address_newWallet 	 external
✓ setSwapTokensAtAmount	 uint256_swapAmount 	external
✓ setSellTransactionMultiplier	 uint256 _multiplier 	external
✓ setTradingIsEnabled	■ none	• external
✓ setBusdDividendEnabled	 bool _enabled 	• external
✓ setMarketingEnabled	 bool_enabled 	• external
✓ setSwapAndLiquifyEnabled	 bool_enabled 	• external
✓ updatebusdDividendTracker	address newAddress	external
✓ updateUniswapV2Router	 address newAddress 	 external



Priviliged Functions (onlyOwner & Others)

Function Name	Parameters	Visibility
✓ excludeFromFees	 address account, bool excluded 	- public
✓ excludeFromDividend	 address account 	• public
✓ setAutomatedMarketMakerP air	 address pair, bool value 	• external
✓ updateGasForProcessing	 uint256 newValue 	• external
✓ updateMinimumBalanceForDi vidends	 uint256 newMinimumBalance 	• external
✓ updateClaimWait	 uint256 claimWait 	 external
✓ processDividendTracker	 uint256 gas 	external





Novos Statistics Hidity Ipc



Parameter	Result
Pair Address	0x978b8cf28a5e3fd94cfa30ea2d677f609fe06f52
SINU Reserves	0 SINU
Reserves, BNB	0 wDoge
Liquidity Value	\$ O



Statistics

Token (SINU) Holders Info

Parameter	Result	
SINU Percentage Burr	nt 37.23 %	
SINU Amount Burnt	37,230,000 SINU	
Top 10 Percentage Ow	n 100 %	
Top 10 Amount Owned	d 62,770,000 SINU	

Token Holders	< Page 1 >
0x67329052dBf81d68DDe8F40eD4a5ff05B11182F9 62,270,000 \$\$INU 62.2700%	
0x000000000000000000000000000000000000	
0x09e94681B3877289Afc34C95506559d9Ec149d8f 500,000 \$SINU 0.5000%	



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