

CELEBRATING AUDITS



Security Assessment

Free Speech Token

July 14, 2022

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Audit Summary

This report has been prepared for Free Speech Token on the Binance Smart Chain network. CFGNINJA 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:

- 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.



Project Overview

Token Summary

Parameter	Result
Address	0x03e93598Ea83DfD1A3c02e34576F75dA1b8e1407
Name	Free Speech
Token Tracker	Free Speech (1amd)
Decimals	9
Supply	100,000,000
Platform	Binance Smart Chain
compiler	v0.8.15+commit.e14f2714
Contract Name	FreeSpeech
Optimization	Yes with 200 runs
LicenseType	MIT
Language	Solidity
Codebase	https://bscscan.com/address/0x03e93598Ea83DfD1A3c02e34576F75dA1b8e1407#code
Payment Tx	0xa1eb37100e483b96766e9df30e5b5ac8c6a62e528f02c83c3012e903e772b945



Project Overview

Risk Analysis Summary

Parameter	Result
Buy Tax	5%
Sale Tax	5%
Is honeypot?	Clean
Can edit tax?	No
Is anti whale?	No
Is blacklisted?	No
Is whitelisted?	No
Holders	Clean
Security Score	95/100
Auditor Score	95/100
Confidence Level	Medium

The following quick summary has been added to the project overview, however there are more details about the audit and their results please read every details.



Main Contract Assessed Contract Name

Name	Contract	Live
Free Speech	0x03e93598Ea83DfD1A3c02e34576F75dA1b8e1407	Yes

TestNet Contract Assessed Contract Name

Name	Contract	Live
Free Speech	0x720cbDA23acc89E7fB7a98d1b906520219725adf	Yes

Solidity Code Provided

SolID	File Sha-1	FileName
Freedom	5601e01e05a2cd64f4eb506300db723440412e89	Freedom.sol
Freedom		
Freedom		



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



Mint Check

The Project Owners of Free Speech does not have a mint function in the contract, owner cannot mint tokens after initial deploy

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The Project has a Total Supply of 100,000,000 and cannot mint any more than the Max Supply.

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Mint Notes:

Auditor Notes: A Mint Function was not found during the code review

Project Owner Notes:



Owner can't mint new coins



Fees Check

The Project Owners of Free Speech does not have the ability to set fees higher than 25% .

Team May have fees defined, however they dont have the ability to set those fees higher than 25%.

Tax Fee Notes:

Auditor Notes: Contract currently have 5% tax and cannot be increased, the customer does have the ability to set taxes to 0 for a zero day tax.

Project Owner Notes: .



Fees can be changed up to a maximum of 25%



MaxTx Check

The Project Owners of Free Speech does not has the ability to set max tx amount

The Team allow any investors to swap, transfer or sale their total amount if needed.

MaxTX Notes:

Auditor Notes: No max tx found.

Project Owner Notes:

Project Has No MaxTX



Pause Trade Check

The Project Owners of Free Speech Owner can pause trading but he can't move tokens
(Owner can't pause trading)

The Team has done a great job to avoid stop trading, and investors has the ability to trade
at any given time without any problems

Pause Trade Notes:

Auditor Notes: Not found.

Project Owner Notes:



Owner can't pause trading



Contract Ownership

The contract ownership of Free Speech 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 `0x3B938deC37857627bb6A26B87E7C4d3Fa5709368` 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.

We recommend the team to use a Multisignature Wallet if contract is not going to be renounced, this will give the ability to the team to have more control over the contract.

Liquidity Ownership

The token does not have liquidity at the moment of the audit, block 19538248



KYC Information

The Project Owners of Free Speech is not KYC. .

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.

KYC Information Notes:

Auditor Notes: Asked project owner about KYC or Doxxed

Project Owner Notes: Customer will KYC with Pinksale



Mythx Security Summary Checks

ID	Severity	Name	File	location
SWC-100	Pass	Function Default Visibility	Freedom.sol	L: 0 C: 0
SWC-101	Pass	Integer Overflow and Underflow.	Freedom.sol	L: 0 C: 0
SWC-102	Pass	Outdated Compiler Version file.	Freedom.sol	L: 0 C: 0
SWC-103	Pass	A floating pragma is set.	Freedom.sol	L: 5 C: 0
SWC-104	Pass	Unchecked Call Return Value.	Freedom.sol	L: 0 C: 0
SWC-105	Pass	Unprotected Ether Withdrawal.	Freedom.sol	L: 0 C: 0
SWC-106	Pass	Unprotected SELFDESTRUCT Instruction	Freedom.sol	L: 0 C: 0
SWC-107	Pass	Read of persistent state following external call.	Freedom.sol	L: 0 C: 0
SWC-108	Pass	State variable visibility is not set..	Freedom.sol	L: 0 C: 0
SWC-109	Pass	Uninitialized Storage Pointer.	Freedom.sol	L: 0 C: 0
SWC-110	Pass	Assert Violation.	Freedom.sol	L: 0 C: 0
SWC-111	Pass	Use of Deprecated Solidity Functions.	Freedom.sol	L: 0 C: 0
SWC-112	Pass	Delegate Call to Untrusted Callee.	Freedom.sol	L: 0 C: 0
SWC-113	Pass	Multiple calls are executed in the same transaction.	Freedom.sol	L: 0 C: 0



ID	Severity	Name	File	location
SWC-114	Pass	Transaction Order Dependence.	Freedom.sol	L: 0 C: 0
SWC-115	Pass	Authorization through tx.origin.	Freedom.sol	L: 474 C: 15
SWC-116	Pass	A control flow decision is made based on The block.timestamp environment variable.	Freedom.sol	L: 0 C: 0
SWC-117	Pass	Signature Malleability.	Freedom.sol	L: 0 C: 0
SWC-118	Pass	Incorrect Constructor Name.	Freedom.sol	L: 0 C: 0
SWC-119	Pass	Shadowing State Variables.	Freedom.sol	L: 0 C: 0
SWC-120	Pass	Potential use of block.number as source of randomness.	Freedom.sol	L: 0 C: 0
SWC-121	Pass	Missing Protection against Signature Replay Attacks.	Freedom.sol	L: 0 C: 0
SWC-122	Pass	Lack of Proper Signature Verification.	Freedom.sol	L: 0 C: 0
SWC-123	Pass	Requirement Violation.	Freedom.sol	L: 0 C: 0
SWC-124	Pass	Write to Arbitrary Storage Location.	Freedom.sol	L: 0 C: 0
SWC-125	Pass	Incorrect Inheritance Order.	Freedom.sol	L: 0 C: 0
SWC-126	Pass	Insufficient Gas Griefing.	Freedom.sol	L: 0 C: 0
SWC-127	Pass	Arbitrary Jump with Function Type Variable.	Freedom.sol	L: 0 C: 0
SWC-128	Pass	DoS With Block Gas Limit.	Freedom.sol	L: 0 C: 0



ID	Severity	Name	File	location
SWC-129	Pass	Typographical Error.	Freedom.sol	L: 0 C: 0
SWC-130	Pass	Right-To-Left-Override control character (U+202E).	Freedom.sol	L: 0 C: 0
SWC-131	Pass	Presence of unused variables.	Freedom.sol	L: 0 C: 0
SWC-132	Pass	Unexpected Ether balance.	Freedom.sol	L: 0 C: 0
SWC-133	Pass	Hash Collisions with Multiple Variable Length Arguments.	Freedom.sol	L: 0 C: 0
SWC-134	Pass	Message call with hardcoded gas amount.	Freedom.sol	L: 0 C: 0
SWC-135	Pass	Code With No Effects (Irrelevant/Dead Code).	Freedom.sol	L: 0 C: 0
SWC-136	Pass	Unencrypted Private Data On-Chain.	Freedom.sol	L: 0 C: 0

We scan the contract for additional security issues using MYTHX and industry standard security scanning tool



Security Check Details Page

SWC Information Notes:

Auditor Notes: No Vulnerabilities where found during the security scan.

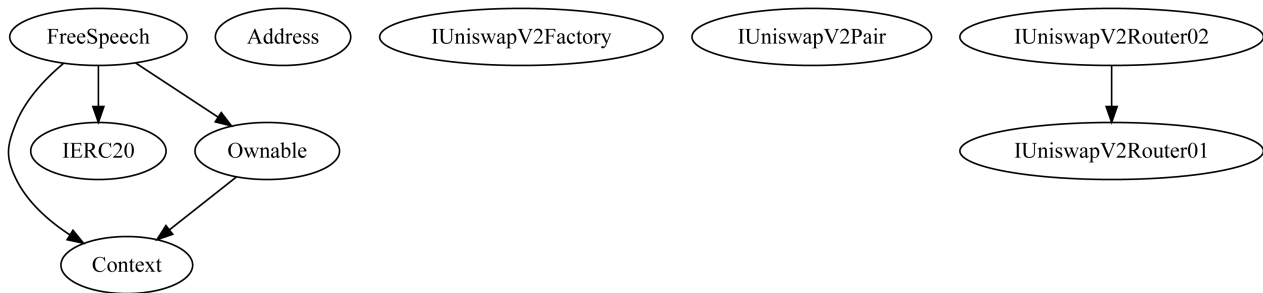
Project Owner Notes:



Call Graph and Inheritance

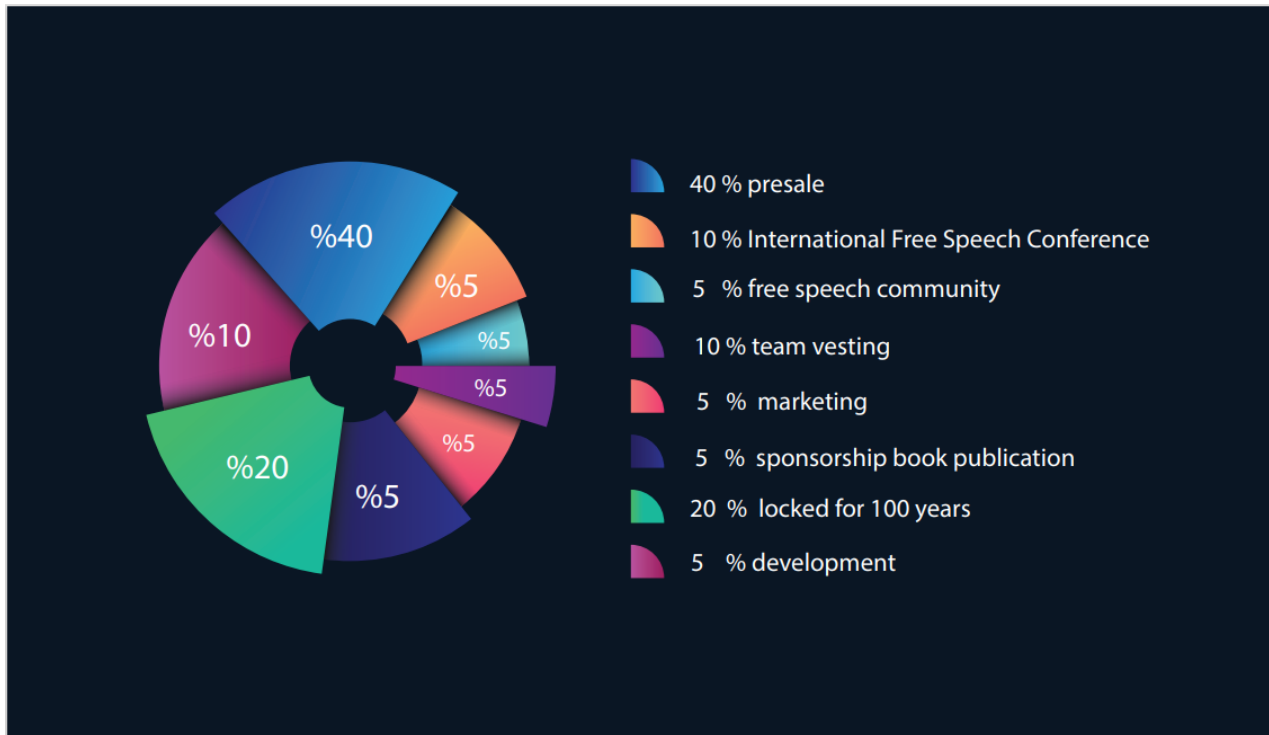
The contract for Free Speech has the following call graph structure

The Project has a Total Supply of 100,000,000 and has the following inheritance



Tokenomics

The contract for Free Speech has the following tokenomics.



Privileged Functions (onlyOwner)

Function Name	Parameters	Visibility
renounceOwnership	none	public
transferOwnership	address newOwner	public
restoreTaxDay	none	external
zeroTaxDay	none	external
recoverTokensFromContract	_tokenAddress (address), _amount (uint256)	external
recoverETHfromContract		public
withdraw		public
setSwapAndLiquifyEnabled	_enabled (bool)	public
setteamWalletAddress	_teamWallet (address)	external
setMarketingWalletAddress	_marketingWallet (address)	external
setNumTokensSellToAddToLiquidity	_minimumTokensBeforeSwap (uint256)	external
includeInFee	account (address)	external
excludeFromFee	account (address)	external



Auditors Final Verdict

Important Notes To The Users:

- Owner can't charge fees up to 25%.
- Owner can't set max tx amount.
- Owner can't pause trading.
- No high-risk Exploits/Vulnerabilities Were Found in the Source Code.
- Contract has been review it and test it, there no sign of issues within the contract and it came back clean.
- Tokenomics show that only 40% will be available for sale, we recommend customer to sale 65% of their token.

Audit Passed



Social Media Checks

Social Media	URL	Result
Twitter	https://twitter.com/1amdtoken	Pass
Instagram	https://www.instagram.com/invites/contact/?i=1r5l4rgnbte4&utm_content=ogeum2e	Pass
Website	https://avaxlaunchpad.net/	Pass
Telegram	https://t.me/FreeSpeechToken	Pass

We recommend to have 3 or more social media sources including a completed working websites.

Social Media Information Notes:

Auditor Notes: undefined

Project Owner Notes: Customer also have a Facebook Page <https://www.facebook.com/1amdToken/>



Disclaimer

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