

HEGNINJA AUDITS



Security Assessment

GAFA Token

March 26, 2022

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Audit Summary

This report has been prepared for GAFA 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	0x495205d4c6307A73595C5C11B44Bee9B3418Ac69
Name	GAFA
Token Tracker	GAFA (GAFA)
Decimals	9
Supply	1,000,000,000
Platform	Binance Smart Chain
compiler	v0.8.12+commit.f00d7308
Contract Name	Gafa
Optimization	Yes with 200 runs
LicenseType	Unlicense
Language	Solidity
Codebase	https://bscscan.com/ address/0x495205d4c6307A73595C5C11B44Bee9B3418Ac69
Url	https://www.gafa.co/

Main Contract Assessed

Contract Name

Name	Contract	Live
GAFA	0x495205d4c6307A73595C5C11B44Bee9B3418Ac69	Yes

TestNet Contract Assessed

Contract Name

Name	Contract	Live
GAFA	0x1c476ca333Dc65D386Bd808C320c5e1B2B3D1423	Yes

Solidity Code Provided

SolID	FileNameMD5	FileName
Gafa	1e7fab51d91b73967f65f6816feb6100	gafa.sol



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

Vulnerability	Automatic Scan	Manual Scan	Result
Weak Sources of Randomness from Chain Attributes	Complete	Complete	Low / No Risk

Mint Check

The Project Owners of GAFA 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 1,000,000,000 and cannot mint any more than the Max Supply.



Owner can't mint new coins



Fees Check

The Project Owners of GAFA 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%.

 Fees can be changed up to a maximum of 25%



MaxTx Check

The Project Onwers of GAFA 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.

Project Has No MaxTX



Pause Trade Check

The Project Owners of GAFA 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: Notified Owners of Pass Check

Project Owner Notes: Project Owners Ack



Contract Ownership

The contract ownership of GAFA 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 0x17Ea9b241AA0C6cE365261FFd5Af16782751Ab05 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 15710486



KYC Information

The Project Owners of GAFA 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: Auditor Notified Project Owner of this Check.

Project Owner Notes:



Privileged Functions (onlyOwner)

Function Name	Parameters	Visibility
renounceOwnership	none	public
transferOwnership	address newOwner	public
setEnableAntiBot	(bool _enable)	external
excludeFromFee	address account	public
includeInFee	address account	public
setAllFeePercent	uint256 liquidityFee, uint256 gameRewardFee	external
lock	uint256 time	external
setSaleFeePercent	uint256 liquidityFee, uint256 gameRewardFee	external
setSaleLiquidityFeePercent	uint256 liquidityFee	external
setNumTokensSellToAddToLiquidity	uint256 _minimumTokensBeforeSwap	external
setpinkAntiBotAddress	address _AntiBotAddress	external
setSwapAndLiquifyEnabled	bool _enabled	public
sendSameValue	address _tokenAddress, address[] memory _to, uint256 _value	external
sendSameValueContract	address _tokenAddress, address[] memory _to, uint256 _value	external

Function Name	Parameters	Visibility
sendDifferentValue	address _tokenAddress, address[] memory _to, uint256[] memory _value	external
ApproveERC20Token1	address _tokenAddress, uint256 _value	external
multiTransfer	address[] calldata addresses, uint256[] calldata tokens	external
setgameRewardWalletAddres s	address _gameRewardWallet	external

Important Notes To The Users:

- The team has not provided a KYC Link during the time of assessment and can be found in the Audit.
- No mint function found, owner cannot mint tokens after initial deploy.
- Owner can change 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.
- In total transparency the contract has been created by the same Audit Company, this audit has been provided to display a good fait with the customer and their investors.
- We have advised the that an external audit may be beneficial to ensure there are no conflict with the developer and the auditor.

Audit Passed



Social Media Checks

Social Media	URL	Result
Twitter	https://twitter.com/gafaexperience	Pass
Instagram	https://www.instagram.com/gafacoin	Pass
Website	https://www.gafa.co/	Pass
Telegram	https://t.me/+1Nzvi4LJ2lw4ZTYy	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:



Disclaimer

CFGNINJA has conducted an independent audit to verify the integrity of and highlight any vulnerabilities or errors, intentional or unintentional, that may be present in the codes that were provided for the scope of this audit. This audit report does not constitute agreement, acceptance or advocacy for the Project that was audited, and users relying on this audit report should not consider this as having any merit for financial advice in any shape, form or nature. The contracts audited do not account for any economic developments that may be pursued by the Project in question, and that the veracity of the findings thus presented in this report relate solely to the proficiency, competence, aptitude and discretion of our independent auditors, who make no guarantees nor assurance that the contracts are completely free of exploits, bugs, vulnerabilities or depreciation of technologies.

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