CFG NINJA AUDITS

Security Assessment

Strike Space Token Token

July 28, 2022

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Audit Summary

This report has been prepared for Strike Space Token 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	0x34D7B7C770d920836135212e544EEAfd084C9213
Name	Strike Space Token
Token Tracker	Strike Space Token (SST)
Decimals	9
Supply	5,000,000
Platform	Binance Smart Chain
compiler	v0.8.9+commit.e5eed63a
Contract Name	SST
Optimization	Yes with 200 runs
LicenseType	MIT
Language	Solidity
Codebase	https://bscscan.com/address/0x34D7B7C770d920836135212e544EEAfd084C9213#code
Payment Tx	0xba0c29e15c68c137f60202e9216f0ae8a76ce4003be6caccad822eda278522be

Project Overview

Risk Analysis Summary

Parameter	Result
Buy Tax	15%
Sale Tax	15%
Is honeypot?	Clean
Can edit tax?	Yes
Is anti whale?	No
Is blacklisted?	No
Is whitelisted?	No
Holders	Clean
Security Score	95/100
Auditor Score	92/100
Confidence Level	Low

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
Strike Space Token	0x34D7B7C770d920836135212e544EEAfd084C9213	Yes

TestNet Contract Assessed
Contract Name

Name	Contract	Live
Strike Space Token	0x14B823b1F7d17Ec7fc82E06B94224BA3707b73B5	Yes

Solidity Code Provided

SolID	File Sha-1	FileName
SST	d57ac1b408dc82d421b493f31b563cc17d5052d1	SST.sol
SST		
SST		

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 Strike Space Token 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 5,000,000 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 Strike Space Token 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%.

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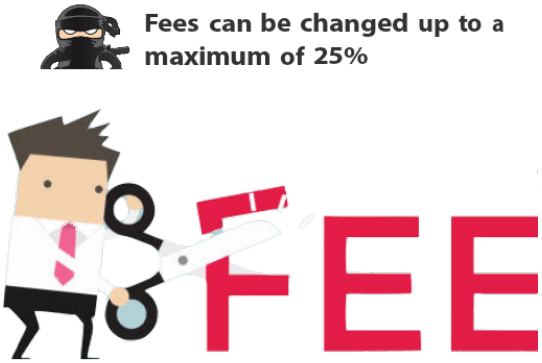
Tax Fee Notes:

Auditor Notes: Contract currently have 9% tax and can be increased, if the customer use the settee function it will break the contract. there is a log that revert to 10% and this logic does not work as intended

Project Owner Notes: .



MaxTx Check

The Project Onwers of Strike Space Token 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 Onwers of Strike Space Token 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:

Contract Ownership

The contract ownership of Strike Space 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.

The current owner is the address 0xc1F128C4c4178CC3E619edC960cCCa63cE128EE3 which can be viewed from:
HERE

The owner wallet has the power to call the functions displayed on the priviliged 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 19947267

KYC Information

The Project Onwers of Strike Space Token has provided KYC Documentation.

KYC Certificated can be found on the Following:
KYC Data

KYC Information Notes:

Auditor Notes: Asked project owner about KYC, Project owner is currently working with Pinksale to get KYC.

Project Owner Notes:

Mythx Security Summary Checks

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

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

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

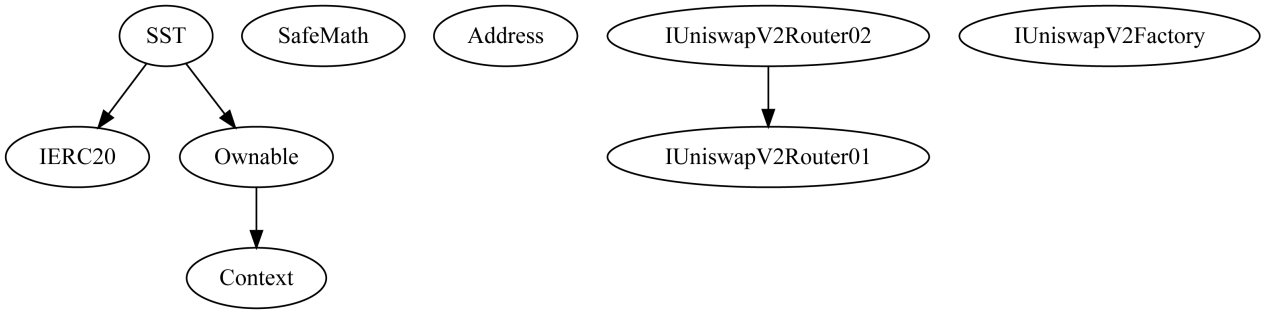
Auditor Notes: No Vulnerabilities where found during the security scan.

Project Owner Notes:

Call Graph and Inheritance

The contract for Strike Space Token has the following call graph structure

The Project has a Total Supply of 5,000,000 and has the following inheritance



Tokenomics

The contract for Strike Space Token has the following tokenomics.

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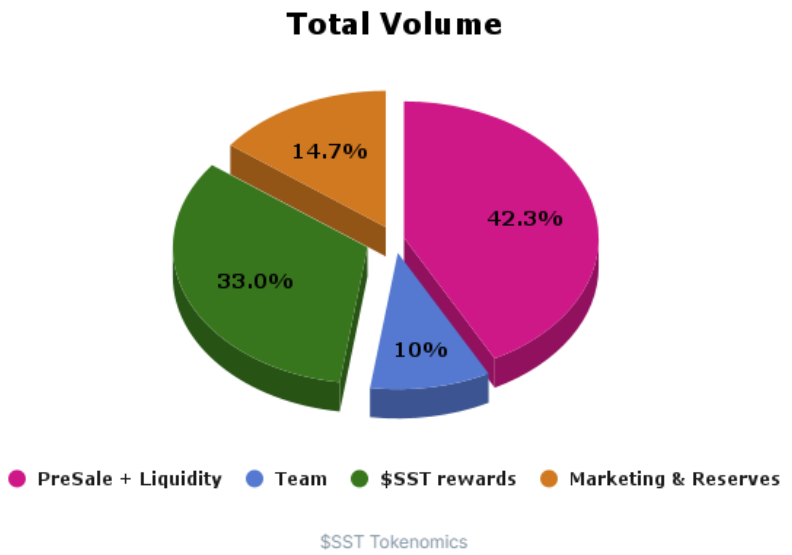
Tokenomics

StrikeN Tokenomics

StrikeN SPACE TOKEN: $SST

The SST is minted at the Token Generation Event (TGE), with a total supply of 5,000,000.



$SST Tokenomics

Priviliged Functions (onlyOwner)

Function Name	Parameters	Visibility
renounceOwnership	none	public
transferOwnership	address newOwner	public
setSwapAndLiquifyEnabled	_enabled (bool)	public
setTaxFee	taxFeeBps (uint256)	external
setLiquidityFee	liquidityFeeBps (uint256)	external
setCharityFee	charityFee (uint256)	external
includeInFee	account (address)	external
excludeFromFee	account (address)	external

Auditors Final Veredict

Important Notes To The Users:

- Deployer wallet was first seen 7/28/2022, Customer did it intentionally to show the wallet as deployer.
- Deployer wallet received funds from https://bscscan.com/address/0x0c55cc73aad79a3d9492f04e68328bca569d0692
- Owner can 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.
- Reviewed Whitepaper and seems ok.

Audit Passed

Social Media Checks

Social Media	URL	Result
Twitter	https://twitter.com/StrikeN_Game	Pass
Medium	https://medium.com/@striken	Pass
Website	http://Striken.io	Pass
Telegram	https://t.me/StrikeN_Official	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: No other social media

SST-01 | Potential Sandwich Attacks.

Category	Severity	Location	Status
Security	Medium	SST.sol: 1504,0	Pending

Description:

A sandwich attack might happen when an attacker observes a transaction swapping tokens or adding liquidity without setting restrictions on slippage or minimum output amount. The attacker can manipulate the exchange rate by frontrunning (before the transaction being attacked) a transaction to purchase one of the assets and make profits by back running (after the transaction being attacked) a transaction to sell the asset. The following functions are called without setting restrictions on slippage or minimum output amount, so transactions triggering these functions are vulnerable to sandwich attacks, especially when the input amount is large:

- swapExactTokensForETHSupportingFeeOnTransferTokens()
- addLiquidityETH()

Remediation:

We recommend setting reasonable minimum output amounts, instead of 0, based on token prices when calling the aforementioned functions.

References:

What Are Sandwich Attacks in DeFi — and How Can You Avoid Them?.

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