expelee

Building the Futuristic Blockchain Ecosystem

SECURITY AUDIT REPORT

Call Of Shib

TOKEN OVERVIEW

Risk Findings

Severity	Found
🔴 High	0
🟠 Medium	0
🟡 Low	0
🔵 Informational	0

Centralization Risks

Owner Privileges	Description
🟢 Can Owner Set Taxes >25% ?	Not Detected
🟢 Owner needs to enable trading ?	Disabled (will be enabled automatically on 12 September 18:00 PM UTC)
🟢 Can Owner Disable Trades ?	Not Detected
🟢 Can Owner Mint ?	Not Detected
🟢 Can Owner Blacklist ?	Not Detected
🟢 Can Owner set Max Wallet amount ?	Not Detected
🟢 Can Owner Set Max TX amount ?	Not Detected

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OVERVIEW

The Expelee team has performed a line-by-line manual analysis and automated review of the smart contract. The smart contract was analysed mainly for common smart contract vulnerabilities, exploits, and manipulation hacks. According to the smart contract audit:

Audit Result	**Passed**
KYC Verification	**-**
Audit Date	**12 September 2023**

CONTRACT DETAILS

Token Address: 0x7a9d9e185614102B23745BEEe1d87D815ea8895F

Name: Call Of Shib

Symbol: COS

Decimals: 18

Network: Ethereum

Token Type: ERC20

Owner: 0x07AdB060bB9FAB15a49010d09F79fdAd819904eb

Deployer: 0x345c9eA766589868fe42F41bab06A4DbFB3B66D0

Token Supply: 100,000,000,000,000

Checksum:
8b9e85bd770dabb84288969efc38bbdc292301c7

Testnet version:
The tests conducted were performed on the contract deployed on the Binance Smart Chain (BSC) Testnet.
https://testnet.bscscan.com/token/0x2cD100bc62314D7c6a750b0c22412C92094eF655

AUDIT METHODOLOGY

Audit Details

Our comprehensive audit report provides a full overview of the audited system's architecture, smart contract codebase, and details on any vulnerabilities found within the system.

Audit Goals

The audit goal is to ensure that the project is built to protect investors and users, preventing potentially catastrophic vulnerabilities after launch , that lead to scams and rugpulls.

Code Quality

Our analysis includes both automatic tests and manual code analysis for the following aspects:
- Exploits
- Back-doors
- Vulnerability
- Accuracy
- Readability

Tools

- DE
- Open Zeppelin
- Code Analyzer
- Solidity Code
- Compiler
- Hardhat

VULNERABILITY CHECKS

Design Logic	Passed
Compiler warnings	Passed
Private user data leaks	Passed
Timestamps dependence	Passed
Integer overflow and underflow	Passed
Race conditions & reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front Running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zepplin module	Passed

RISK CLASSIFICATION

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and acces control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.
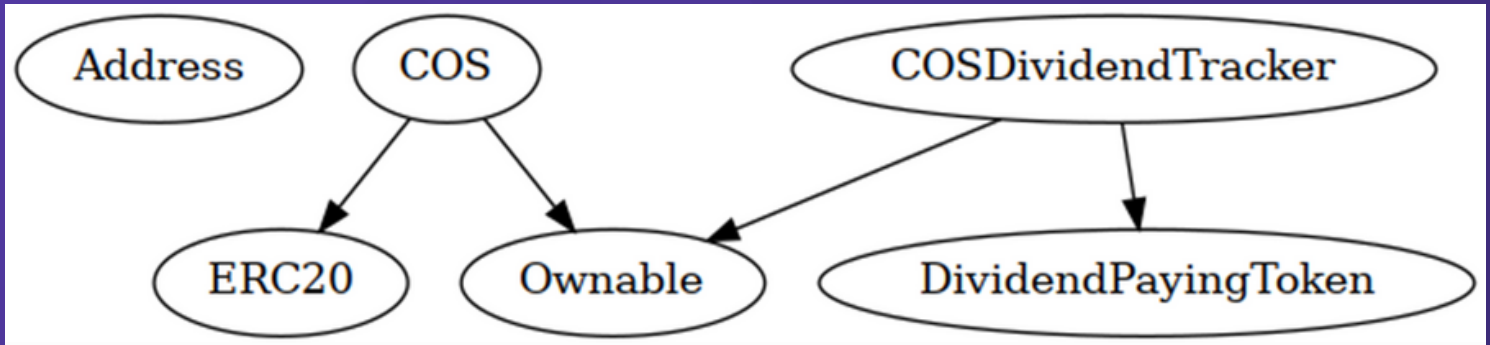
Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Issues on this level are minor details and warning that can remain unfixed.

INHERITANCE TREES

FUNCTION DETAILS

Contract	Type	Bases		
└	**Function Name**	**Visibility**	**Mutability**	**Modifiers**
Address	Library			
└	sendValue	Internal 🔒	🔴	
COS	Implementation	ERC20, Ownable		
└	<Constructor>	Public ❗	🔴	ERC20
└	<Receive Ether>	External ❗	💵	NO❗
└	processDividendTracker	External ❗	🔴	NO❗
└	setBuyTaxes	External ❗	🔴	onlyOwner
└	setSellTaxes	External ❗	🔴	onlyOwner
└	setTransferTaxes	External ❗	🔴	onlyOwner
└	claim	External ❗	🔴	NO❗
└	excludeFromFees	Public ❗	🔴	onlyOwner
└	excludeMultipleAccountsFromFees	Public ❗	🔴	onlyOwner
└	excludeFromDividends	External ❗	🔴	onlyOwner
└	setMarketingWallet	External ❗	🔴	onlyOwner
└	setTeamWallet	External ❗	🔴	onlyOwner
└	setSwapTokensAtAmount	External ❗	🔴	onlyOwner
└	setSwapEnabled	External ❗	🔴	onlyOwner
└	setMinBalanceForDividends	External ❗	🔴	onlyOwner
└	_setAutomatedMarketMakerPair	Private 🔐	🔴	
└	setGasForProcessing	External ❗	🔴	onlyOwner
└	setClaimWait	External ❗	🔴	onlyOwner
└	getClaimWait	External ❗		NO❗
└	getTotalDividendsDistributed	External ❗		NO❗
└	isExcludedFromFees	Public ❗		NO❗
└	withdrawableDividendOf	Public ❗		NO❗
└	getCurrentRewardToken	External ❗		NO❗
└	dividendTokenBalanceOf	Public ❗		NO❗
└	getAccountDividendsInfo	External ❗		NO❗
└	getAccountDividendsInfoAtIndex	External ❗		NO❗
└	getLastProcessedIndex	External ❗		NO❗

FUNCTION DETAILS

└	getNumberOfDividendTokenHolders	External ❗			NO❗
└	enableTrading	Public ❗		🔴	onlyOwner
└	getFee	Public ❗			NO❗
└	_transfer	Internal 🔒	🔴	
└	swapAndLiquify	Private 🔐	🔴	
└	swapTokensForUSDT	Private 🔐	🔴	
└	swapTokensForETH	Private 🔐	🔴	
└	withdrawToken	External ❗	🔴	onlyOwner
└	withdrawETH	External ❗	🔴	onlyOwner
COSDividendTracker	Implementation	Ownable, DividendPayingToken		
└	<Constructor>	Public ❗	🔴	DividendPayingToken
└	_transfer	Internal 🔒		
└	setMinBalanceForDividends	External ❗	🔴	onlyOwner
└	excludeFromDividends	External ❗	🔴	onlyOwner
└	updateClaimWait	External ❗	🔴	onlyOwner
└	getLastProcessedIndex	External ❗			NO❗
└	getNumberOfTokenHolders	External ❗			NO❗
└	getCurrentRewardToken	External ❗			NO❗
└	getAccount	Public ❗			NO❗
└	getAccountAtIndex	Public ❗			NO❗
└	canAutoClaim	Private 🔐		
└	setBalance	Public ❗	🔴	onlyOwner
└	process	Public ❗	🔴	NO❗
└	processAccount	Public ❗	🔴	onlyOwner

Legend

Symbol	Meaning
🔴	Function can modify state
💵	Function is payable

TESTNET VERSION

Adding Liquidity ✅
Tx:
https://testnet.bscscan.com/tx/0xfcf1008866f7c879e906dad7fa35ed0904ffc6eeada0a2ed551cde9452621f3f

==

Buying when excluded from fees ✅
Tx (0% tax):
https://testnet.bscscan.com/tx/0x5849e0232dae7f2fc4348138c6a79be81714b5b374c368eb58c271f160929f72

==

Selling when excluded from fees ✅
Tx (0% tax):
https://testnet.bscscan.com/tx/0x1a7d13be70a694ac896a0e3fd03c3c4e9cb0f78e2b373d0e6a3a15c5871e022c

==

Transferring when excluded from fees ✅
Tx (0% tax):
https://testnet.bscscan.com/tx/0xff224319992c9639a1a3ba12489889ad0d4d8a6701ac60d9c675c153508ab196

==

Buying ✅
Tx (0-10% tax):
https://testnet.bscscan.com/tx/0x1543ce384d25f64e5777a9276cd982f7e12d19af2528122081398fe4a43eeff8

TESTNET VERSION

Selling ✅
Tx (0-10% tax):
0min - 30min after launch : 30% sell
30min - 1H after launch : 25% sell
1H - 1h30after launch : 20% sell
1h30- 2h30 after launch : 15% sell
2h30 - 3h30 after launch : 10% sell
3h30 after launch: normal taxes (adjustable within 0-10% by owner, 5% by default)
https://testnet.bscscan.com/tx/0x9ce4446e3296e225ce763da7b0910c440ca0832e232b5c8c16498b3609f6905e

===

Transferring ✅
Tx (0-10% tax):
https://testnet.bscscan.com/tx/0x0ed04a120da79878b411fb5db62a6b729a0a5772f603c14d5660ac1b6a28587e

===

Internal swap (USDT sent to marketing and team wallet | USDT distribution) ✅
Tx:
https://testnet.bscscan.com/tx/0x9ce4446e3296e225ce763da7b0910c440ca0832e232b5c8c16498b3609f6905e

MANUAL REVIEW

Severity Criteria

Expelee assesses the severity of disclosed vulnerabilities according to methodology based on OWASP standarts.

Vulnerabilities are dividend into three primary risk categroies:
High
Medium
Low

High-level considerations for vulnerabilities span the following key areas when conducting assessments:

- Malicious input handling
- Escalation of privileges
- Arithmetic
- Gas use

Overall Risk Severity				
Impact	HIGH	Medium	High	Critical
	MEDIUM	Low	Medium	High
	LOW	Note	Low	Medium
		LOW	MEDIUM	HIGH
		Likelihood		

ABOUT EXPELEE

Expelee is a product-based aspirational Web3 start-up. Coping up with numerous solutions for blockchain security and constructing a Web3 ecosystem from deal making platform to developer hosting open platform, while also developing our own commercial and sustainable blockchain.

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