SPYWOLF

Security Audit Report

Audit prepared for

CZ Cat

Completed on

October 3, 2024

OVERVIEW

This goal of this report is to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a a summarized review of the following key points:

- ✔ Contract's source code
- ✔ Owners' wallets
- ✔ Tokenomics
- ✔ Team transparency and goals
- ✔ Website's age, code, security and UX
- ✔ Whitepaper and roadmap
- ✔ Social media & online presence

The results of this audit are purely based on the team’s evaluation and does not guarantee nor reflect the projects outcome and goal

- SPYWOLF Team -

TABLE OF CONTENTS

CZ Cat

PROJECT DESCRIPTION:

Just like the cats that have taken over the internet, CZCat leverages meme culture to create an unstoppable force in the crypto world. CZCat is driven by its holders. We prioritize transparency, trust, and a collective vision for the future.

Release Date: TBA

Launchpad: Pinksale

Category: Meme Token

KEY RESULTS

Cannot mint new tokens	PASSED
Cannot pause trading (honeypot)	PASSED
Cannot blacklist an address	PASSED
Cannot raise taxes over 25%?	PASSED
No proxy contract detected	PASSED
Not required to enable trading	NOT PASSED
No hidden ownership	PASSED
Cannot change the router	PASSED
No cooldown feature found	PASSED
Bot protection delay is lower than 5 blocks	PASSED
Cannot set max tx amount below 0.05% of total supply	PASSED
The contract cannot be self-destructed by owner	PASSED

For a more detailed and thorough examination of the heightened risks, refer to the subsequent parts of the report.

N/A = Not applicable for this type of contract

*Only new deposits/reinvestments can be paused

CONTRACT INFO

Token Name
CZ Cat

Symbol
CZCAT

Contract Address
0x4fcCbB09b016B5cD34b823Ccbe4300ce543cDFc0

Network
BSC

Language
Solidity

Deployment Date
Oct 1, 2024

Contract Type
Standard Token

Total Supply
1,000,000,000,000

Decimals
9

TAXES

Buy Tax
3%

Sell Tax
3%

*Taxes cannot be changed

Our Contract Review Process

The contract review process pays special attention to the following:

- Testing the smart contracts against both common and uncommon vulnerabilities
- Assessing the codebase to ensure compliance with current best practices and industry standards.
- Ensuring contract logic meets the specifications and intentions of the client.
- Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat

SMART CONTRACT STATS

Calls Count	7
External calls	3
Internal calls	4
Transactions count	4
Last transaction time	2024-10-03 15:32:44 UTC
Deployment Date	2024-10-01 03:29:29 UTC
Create TX	0x0814e19bec2c7e5b8020a92ec4e1c53efec37e24b85aa6a9c0988be69b840196
Owner	0xa1e6C6292ee82518F7a525584e1567e5ca640Fd9
Deployer	0xa1e6c6292ee82518f7a525584e1567e5ca640fd9

TOKEN TRANSFERS STATS

Transfer Count	2
Total Amount	1999999999999.4846 CZCAT
Median Transfer Amount	1000000000000 CZCAT
Average Transfer Amount	999999999999.7423 CZCAT
First transfer date	2024-10-01
Last transfer date	2024-10-03
Days token transferred	2 Days

FEATURED WALLETS

Owner address	0xa1e6C6292ee82518F7a525584e1567e5ca640Fd9
Marketing fee receiver	0x2B1249e6EcC0F78bb71605e0183705156DD21001
LP address	0x597Dd66900e4a05B9ae4a09E3917603559c9d447 Liquidity is not added yet

TOP 3 UNLOCKED WALLETS

100%	Pinksale’s presale address
unavailable	
unavailable	

VULNERABILITY ANALYSIS

ID	Title	
SWC-100	Function Default Visibility	**Passed**
SWC-101	Integer Overflow and Underflow	**Passed**
SWC-102	Outdated Compiler Version	**Passed**
SWC-103	Floating Pragma	**Passed**
SWC-104	Unchecked Call Return Value	**Passed**
SWC-105	Unprotected Ether Withdrawal	**Passed**
SWC-106	Unprotected SELFDESTRUCT Instruction	**Passed**
SWC-107	Reentrancy	**Passed**
SWC-108	State Variable Default Visibility	**Passed**
SWC-109	Uninitialized Storage Pointer	**Passed**
SWC-110	Assert Violation	**Passed**
SWC-111	Use of Deprecated Solidity Functions	**Passed**
SWC-112	Delegatecall to Untrusted Callee	**Passed**
SWC-113	DoS with Failed Call	**Passed**
SWC-114	Transaction Order Dependence	**Passed**
SWC-115	Authorization through tx.origin	**Passed**
SWC-116	Block values as a proxy for time	**Passed**
SWC-117	Signature Malleability	**Passed**
SWC-118	Incorrect Constructor Name	**Passed**

VULNERABILITY ANALYSIS

ID	Title	
SWC-119	Shadowing State Variables	Passed
SWC-120	Weak Sources of Randomness from Chain Attributes	Passed
SWC-121	Missing Protection against Signature Replay Attacks	Passed
SWC-122	Lack of Proper Signature Verification	Passed
SWC-123	Requirement Violation	Passed
SWC-124	Write to Arbitrary Storage Location	Passed
SWC-125	Incorrect Inheritance Order	Passed
SWC-126	Insufficient Gas Griefing	Passed
SWC-127	Arbitrary Jump with Function Type Variable	Passed
SWC-128	DoS With Block Gas Limit	Passed
SWC-129	Typographical Error	Passed
SWC-130	Right-To-Left-Override control character (U+202E)	Passed
SWC-131	Presence of unused variables	Passed
SWC-132	Unexpected Ether balance	Passed
SWC-133	Hash Collisions With Multiple Variable Length Arguments	Passed
SWC-134	Message call with hardcoded gas amount	Passed
SWC-135	Code With No Effects	Passed
SWC-136	Unencrypted Private Data On-Chain	Passed

VULNERABILITY ANALYSIS

NO ERRORS FOUND

MANUAL
CODE REVIEW

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access 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 4 different threat levels.

THREAT 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

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.

Code Score: 75%

FOUND THREATS

⚠ High Risk: 0

No high risk-level threats found in this contract.

⚠ Medium Risk: 1

No medium risk-level threats found in this contract.

⚠ Low Risk: 0

No low risk-level threats found in this contract.

FOUND THREATS

⚠ Medium Risk:

Owner can enable trading once.
Trading is currently disabled.

```
function enableTrading() external onlyOwner {
    require(!isTradingEnabled, "Trading already enabled");
    isTradingEnabled = true;
    emit _enableTrading();
}


function _transfer(address from, address to, uint256 amount) internal returns  (bool) {
    bool takeFee = true;
    require(to != address(0), "ERC20: transfer to the zero address");
    require(from != address(0), "ERC20: transfer from the zero address");
    require(amount > 0, "Transfer amount must be greater than zero");

    if (isLimitedAddress(from,to)) {
        require(isTradingEnabled,"Trading is not enabled");
    }
    ......................
}
```

- Recommendation:
  - Enable trading before presale’s start.

FOUND THREATS

Informational: 2

Owner can change marketing wallet to any address.
.call is used for autoswap so it won't affect contract's operation even if set to address that cannot receive BNB.

```
function changeWallets(address newMarketing) external onlyOwner {
    require(newMarketing != address(0),"Error: Address Zero");
    marketingAddress = payable(newMarketing);
    emit _changeWallets(marketingAddress);
}

function internalSwap(uint256 contractTokenBalance) internal inSwapFlag {
    ......................
    if(address(this).balance > 0) (success,) = marketingAddress.call{value: address(this).balance, gas: 95000}("");
}
```

Owner can exclude address from fees.
When address is excluded from fees, the user will receive the whole amount of the bought, sold and/or transferred tokens.

```
function setNoFeeWallet(address account, bool enabled) public onlyOwner {
    require(account != address(0),"Error: Account is zero address");
    _noFee[account] = enabled;
}
```

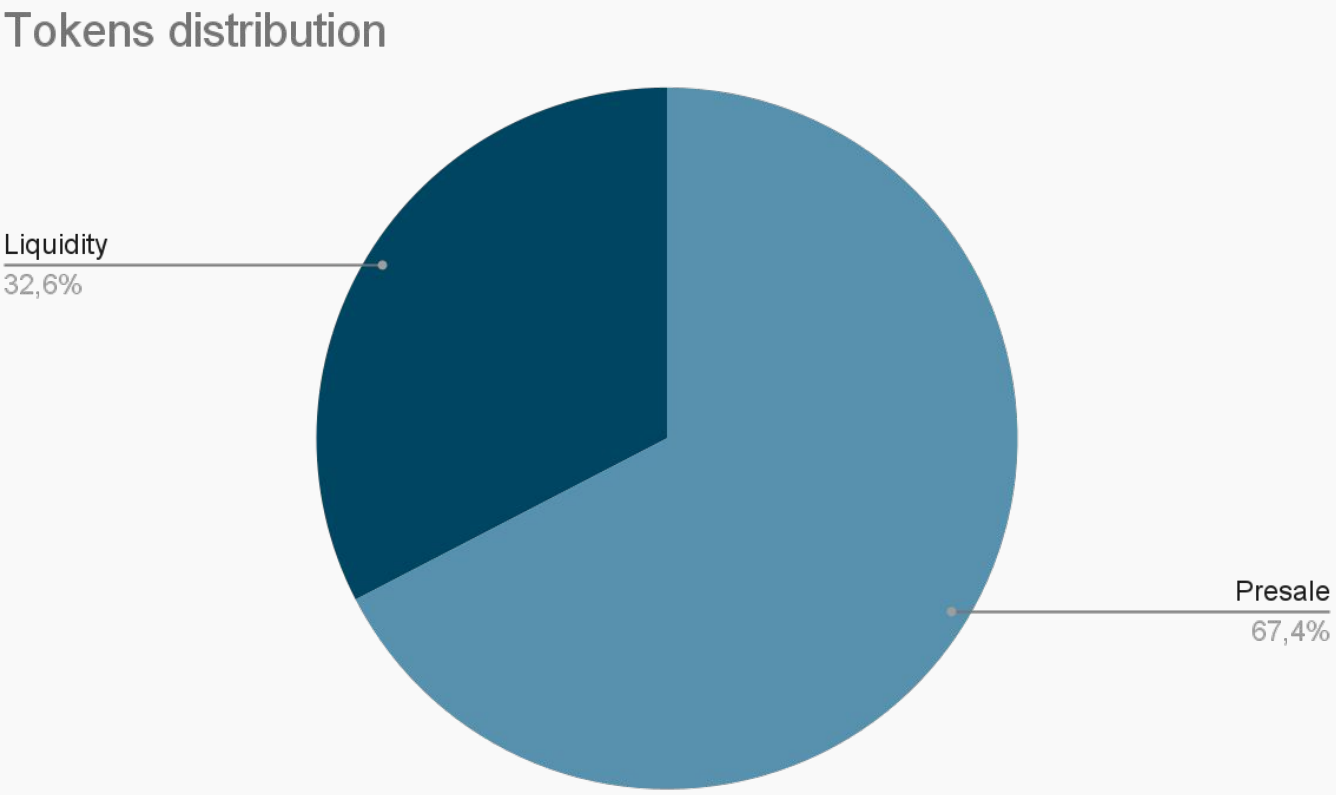
The following tokenomics are based on project's Pinksale presale page:

Tokenomics:

Presale - 67.4%,

Liquidity - 32.6%,

Token Distribution



TOKENOMICS

WEBSITE

Website URL:
https://czcat.vip/

Domain Registry
https://www.godaddy.com/

Domain Expiration
2025-09-22

Technical SEO Test
Passed

Security Test
Passed. SSL certificate present

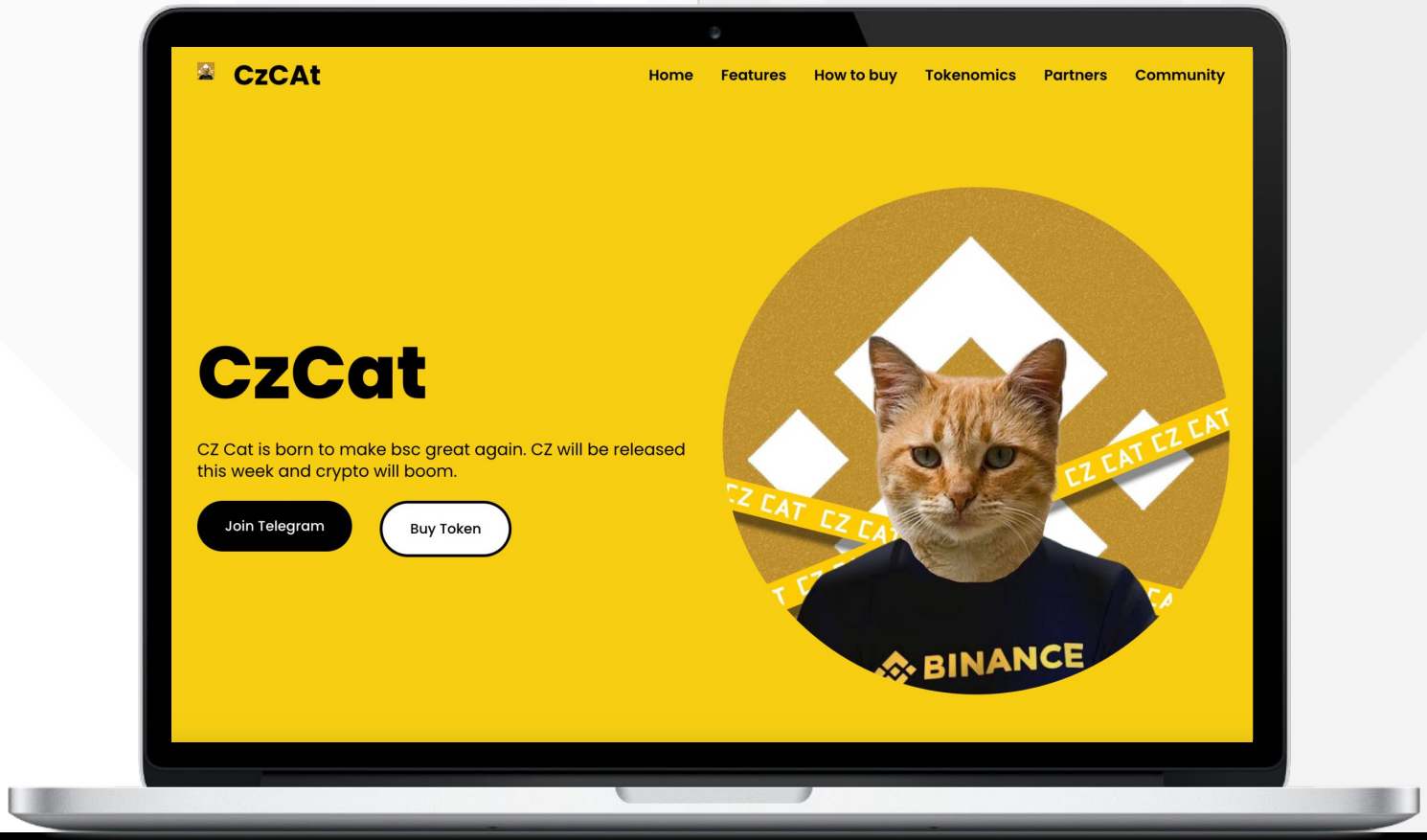
Design
Single page design with appropriate color scheme and graphics.

Content
The information helps new investors understand what the product does right away. No grammar mistakes found .

Whitepaper
No

Roadmap
No

Mobile-friendly?
Yes



Website Score: 100%

SOCIAL MEDIA

Social Score: 100%

ANALYSIS

Project's social media pages are active

Twitter:

@czcat_bsc

- 494 followers
- 2 posts total
- New account

Discord

unavailable

Telegram:

@czcat_bsc

- 326 members
- Active members
- Active mods

Medium

unavailable

SPYWOLF

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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.
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No applications were reviewed for security. No product code has been reviewed.