



*Security Assessment*

# Light Speed Cat V2

Verified on 9/29/25

## SUMMARY

Project

Light Speed Cat V2

CHAIN

Binance Smart Chain

METHODOLOGY

Manual &amp; Automatic Analysis

FILES

Single

DELIVERY

9/29/25

TYPE

Standard Audit

**1**

Critical

Major

Medium

**1**

Minor

**0**

Informational

**0**

Resolved

■ 0 Critical

An exposure that can affect the contract functions in several events that can risk and disrupt the contract

■ 0 Major

An opening & exposure to manipulate the contract in an unwanted manner

■ 0 Medium

An opening that could affect the outcome in executing the contract in a specific situation

■ 1 Minor

An opening but doesn't have an impact on the functionality of the contract

■ 0 Informational

An opening that consists information but will not risk or affect the contract

■ 0 Resolved

ContractWolf's findings has been acknowledged & resolved by the project

**STATUS**
✓ **AUDIT PASSED**

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## DISCLAIMER | Light Speed Cat V2

**ContractWolf** audits and reports should not be considered as a form of project's "Advertisement" and does not cover any interaction and assessment from "Project Contract" to "External Contracts" such as PancakeSwap, UniSwap, SushiSwap or similar.

**ContractWolf** does not provide any warranty on its released report and should not be used as a decision to invest into audited projects.

**ContractWolf** provides a transparent report to all its "Clients" and to its "Clients Participants" and will not claim any guarantee of bug-free code within its **SMART CONTRACT**.

**ContractWolf's** presence is to analyze, audit and assess the Client's Smart Contract to find any underlying risk and to eliminate any logic and flow errors within its code.

*Each company or project should be liable to its security flaws and functionalities.*

## SCOPE OF WORK | Light Speed Cat V2

**Light Speed Cat V2** team has agreed and provided us with the files that need to be tested (*Github, BSCscan, Etherscan, Local files etc*). The scope of audit is the main contract.

The goal of this engagement is to identify if there is a possibility of security flaws in the implementation of smart contract and its systems.

ContractWolf will be focusing on contract issues and functionalities along with the project claims from smart contract to their website, whitepaper, repository which has been provided by **Light Speed Cat V2**.

## AUDITING APPROACH | Light Speed Cat V2

Every line of code along with its functionalities will undergo manual review to check for security issues, quality of logic and contract scope of inheritance. The manual review will be done by our team that will document any issues that they discovered.

### METHODOLOGY

The auditing process follows a routine series of steps :

1. Code review that includes the following :
  - Review of the specifications, sources and instructions provided to ContractWolf to make sure we understand the size, scope and functionality of the smart contract.
  - Manual review of code. Our team will have a process of reading the code line-by-line with the intention of identifying potential vulnerabilities, underlying and hidden security flaws.
2. Testing and automated analysis that includes :
  - Testing the smart contract function with common test cases and scenarios to ensure that it returns the expected results.
3. Best practices and ethical review. The team will review the contract with the aim to improve efficiency, effectiveness, clarifications, maintainability, security and control within the smart contract.
4. Recommendations to help the project take steps to eliminate or minimize threats and secure the smart contract.

## TOKEN DETAILS | Light Speed Cat V2



LSCat is a community-driven meme + utility token built for speed, fairness, and growth. Beyond its burn mechanism and auto-liquidity that reward holders, LSCat is also powering a gaming ecosystem, bringing fun, engagement, and real value to the community.

Token Name	Symbol	Decimal	Total Supply	Chain
Light Speed Cat	LSCat	18	110,000,000	Binance Smart Chain

## SOURCE

Source

[0x391d9dda8e3d0418d323ea6bcc194300d1b76edc](https://etherscan.io/address/0x391d9dda8e3d0418d323ea6bcc194300d1b76edc)

## INHERITANCE GRAPH

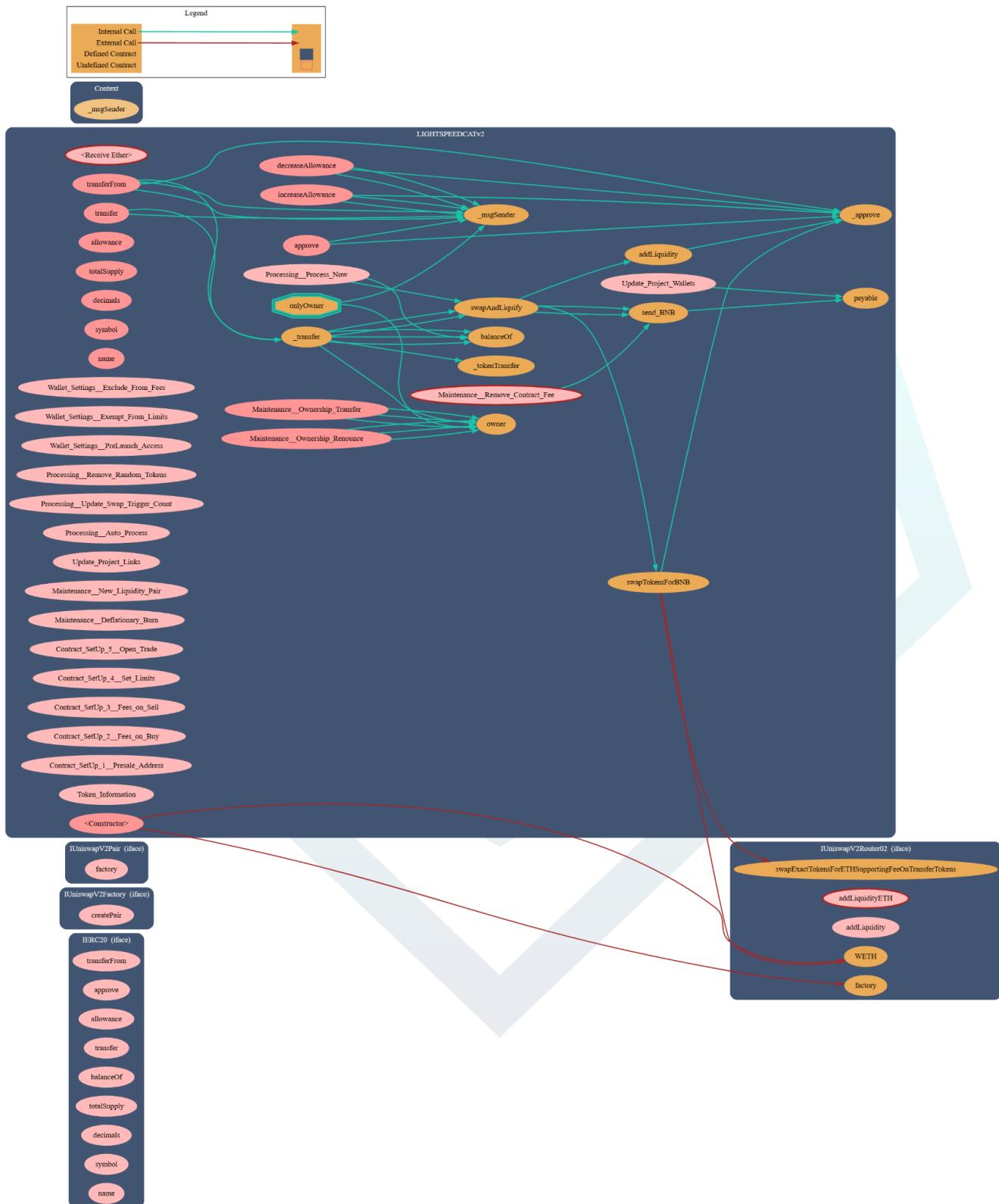
Light Speed Cat V2

Inheritance Graph of Contract Functions



**CALL GRAPH** | Light Speed Cat V2

## Call Graph of Contract Functions



## FINDINGS | Light Speed Cat V2



This report has been prepared to state the issues and vulnerabilities for Light Speed Cat V2 through this audit. The goal of this report findings is to identify specifically and fix any underlying issues and errors

ID	Title	File & Line #	Severity	Status
SWC-169	Payable Contract	LIGHTSPEEDCATv2.sol	Minor	Pending

# SWC ATTACKS

## Light Speed Cat V2

Smart Contract Weakness Classification and Test Cases

ID	Description	Status
SWC-100	Function Default Visibility	Passed
SWC-101	Integer Overflow and Underflow	Passed
SWC-102	Outdated Compiler Version	Passed
SWC-103	FloatingPragma	Passed
SWC-104	Unchecked Call Return Value	Passed
SWC-105	Unprotected Ether Withdrawal	Passed
SWC-106	Unprotected SELF DESTRUCT 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
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

ID	Description	Status
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 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

## CW ASSESSMENT

### Light Speed Cat V2

ContractWolf Vulnerability and Security Tests

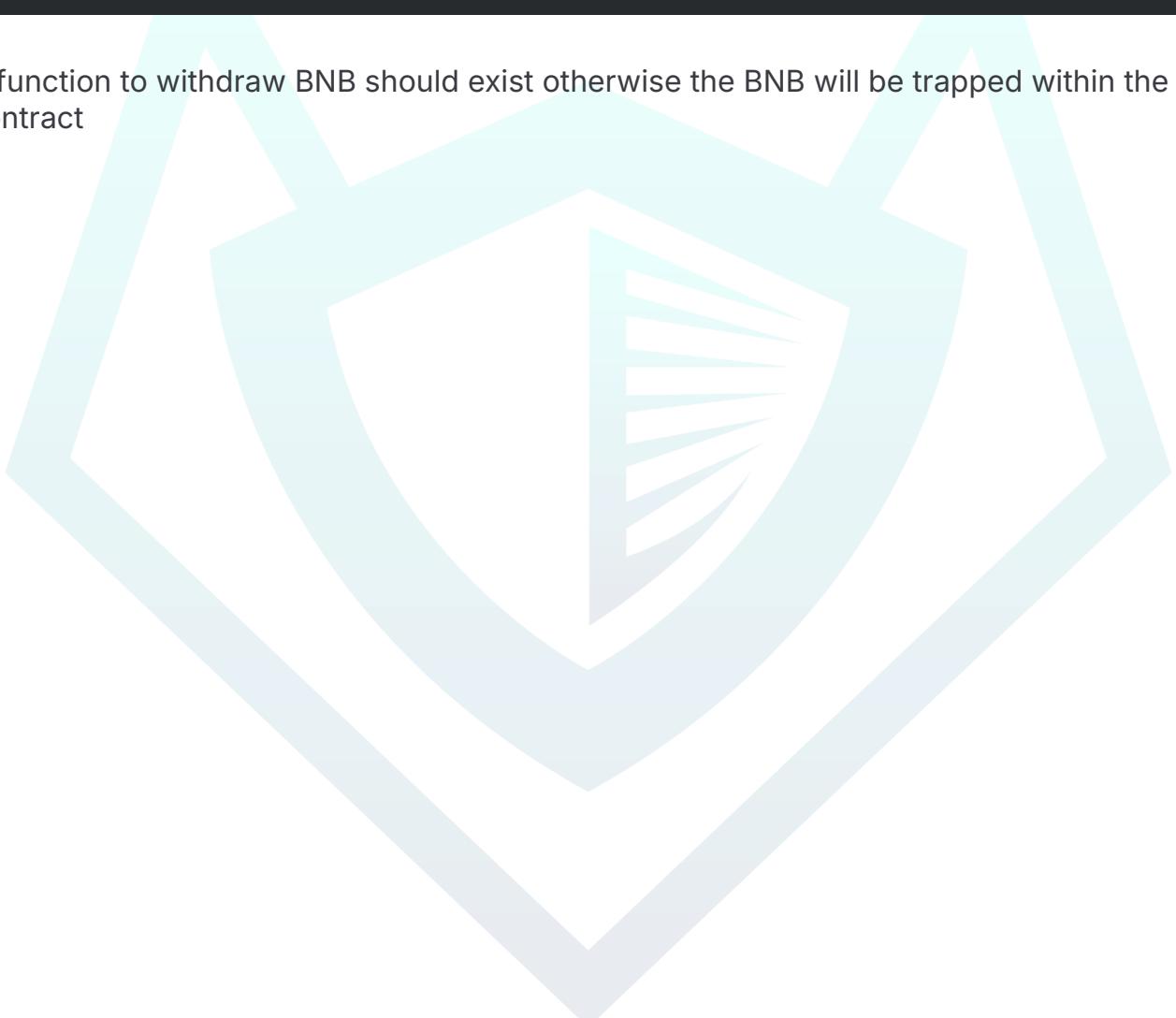
ID	Name	Description	Status
CW-001	Multiple Version	Presence of multiple compiler version across all contracts	✓
CW-002	Incorrect Access Control	Additional checks for critical logic and flow	✓
CW-003	Payable Contract	A function to withdraw ether should exist otherwise the ether will be trapped	✗
CW-004	Custom Modifier	major recheck for custom modifier logic	✓
CW-005	Divide Before Multiply	Performing multiplication before division is generally better to avoid loss of precision	✓
CW-006	Multiple Calls	Functions with multiple internal calls	✓
CW-007	Deprecated Keywords	Use of deprecated functions/operators such as block.blockhash() for blockhash(), msg.gas for gasleft(), throw for revert(), sha3() for keccak256(), callcode() for delegatecall(), suicide() for selfdestruct(), constant for view or var for actual type name should be avoided to prevent unintended errors with newer compiler versions	✓
CW-008	Unused Contract	Presence of an unused, unimported or uncalled contract	✓
CW-009	Assembly Usage	Use of EVM assembly is error-prone and should be avoided or double-checked for correctness	✓
CW-010	Similar Variable Names	Variables with similar names could be confused for each other and therefore should be avoided	✓
CW-011	Commented Code	Removal of commented/unused code lines	✓
CW-012	SafeMath Override	SafeMath is no longer needed starting with Solidity v0.8+. The compiler now has built-in overflow checking.	✓

## FIXES &amp; RECOMMENDATION

## CW-003 | Payable Contract

```
function rescueBNB(uint256 amount) external onlyOwner {
    require(amount <= address(this).balance, "Not enough BNB");
    (bool success,) = payable(owner()).call{value: amount}("");
    require(success, "BNB transfer failed");
}
```

A function to withdraw BNB should exist otherwise the BNB will be trapped within the contract



## AUDIT COMMENTS

### Light Speed Cat V2

Smart Contract audit comment for a non-technical perspective

- Owner can renounce and transfer ownership
- Owner can update presale contract with fee exemptions and whitelist
- Owner can update buy fees up to 10% total and sell fees up to 15%
- Owner can update max transaction not greater than .1% of total supply and max wallet amount and .5% of total supply
- Owner can open trade
- Owner can toggle deflationary burn
- Owner can exclude/include addresses from liquidity pairs
- Owner can remove 1% dev fee after paying 3 BNB
- Owner can update fee receiver addresses
- Owner can update project links (website, telegram, locker)
- Owner can toggle auto processing of fees
- Owner can manually process tokens for fees
- Owner can withdraw foreign tokens from contract
- Owner can exclude/include addresses for pre-launch access
- Owner can exclude/include addresses from fees
- Owner cannot mint after initial deployment
- Owner cannot burn
- Owner cannot block users
- Owner cannot pause contract



# CONTRACTWOLF

Blockchain Security - Smart Contract Audits