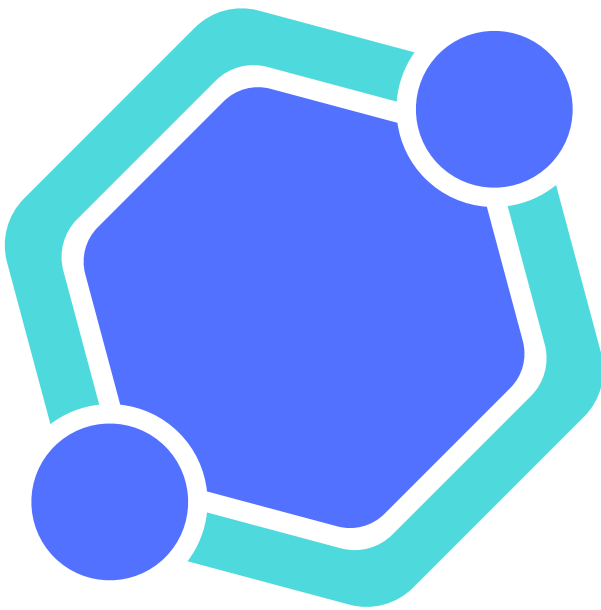


# AUDIT REPORT

April 2023



Audit conducted by  
RICARDO PONTES

# Summary

<b>Auditing Firm</b>	Crypto Hub
<b>Architecture</b>	Crypto Hub Auditing Standard
<b>Smart Contract Audit Approved By</b>	Ricardo   Blockchain Dev at Crypto Hub
<b>Platform</b>	Solidity
<b>Mandatory Audit Check</b>	Static, Software & Manual Analysis
<b>Consultation Request Date</b>	April 10, 2023
<b>Report Date</b>	April 10, 2023

## Audit Summary

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

- ★ Wedge Finance smart contract source code has **LOW RISK SEVERITY**.
- ★ Wedge Finance has **PASSED** the smart contract audit.

For the detailed understanding of risk severity, source code vulnerability, and functional test, kindly refer to the audit.

✅ Verify the authenticity of this report on Crypto Hub Website:

<https://www.cryptohub.agency/>



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## Project Overview

Crypto Hub was consulted by Wedge Finance to conduct the smart contract security audit of their solidity source code.

Project	Wedge Finance
Blockchain	Binance Smart Chain
Language	Solidity
Contracts	0x06bc882ed9eb4dd384b492322a7b4c4c8728416e
Website:	<a href="https://wedgetoken.com/">https://wedgetoken.com/</a>

Public logo:



Solidity Source Code On Blockchain (Verified Contract Source Code)

<https://bscscan.com/address/0x06bc882ed9eb4dd384b492322a7b4c4c8728416e#code>

Contract Name: Wedge

Compiler Version: v0.8.17

Optimization Enabled: no

SHA-1 Hash

Solidity source code is audited at hash

#4e0f4e9b2804146fcff027459e41dd553ed5e0a0



# Audit Scope & Methodology

The scope of this report is to audit the above smart contract source code and Crypto Hub has scanned the contract and reviewed the project for common vulnerabilities, exploits, hacks, and back-doors. Below is the list of commonly known smart contract vulnerabilities, exploits, and hacks:

## Smart Contract Vulnerabilities

- ☐ Re-entrancy
- ☐ Unhandled Exceptions
- ☐ Transaction Order Dependency
- ☐ Integer Overflow
- ☐ Unrestricted Action
- ☐ Incorrect Inheritance Order
- ☐ Typographical Errors
- ☐ Requirement Violation

## Source Code Review

- ☐ Ownership Takeover
- ☐ Gas Limit and Loops
- ☐ Deployment Consistency
- ☐ Repository Consistency
- ☐ Data Consistency
- ☐ Token Supply Manipulation

## Functional Assessment

- ☐ Access Control and Authorization
- ☐ Operations Trail and Event Generation
- ☐ Assets Manipulation
- ☐ Liquidity Access



## *Crypto Hub Audit Standard*

The aim of Crypto Hub standard is to analyze the smart contract and identify the vulnerabilities and the hacks in the smart contract. Mentioned are the steps used by ECHELON-1 to assess the smart contract:

### **1. Solidity smart contract source code reviewal:**

- ❖ Review of the specifications, sources, and instructions provided to Crypto Hub to make sure we understand the size, scope, and functionality of the smart contract.
- ❖ Manual review of code, which is the process of reading source code line-by-line to identify potential vulnerabilities.

### **2. Static, Manual, and Software analysis:**

- ❖ Test coverage analysis, which is the process of determining whether the test cases are covering the code and how much code is exercised when we run those test cases.
- ❖ Symbolic execution, which is analyzing a program to determine what inputs cause each part of a program to execute.

**3. Best practices review, which is a review of the smart contracts to improve efficiency, effectiveness, clarify, maintainability, security, and control based on the established industry and academic practices, recommendations, and research.**

**4. Specific, itemized, actionable recommendations to help you take steps to secure your smart contracts**

### **Automated 3P frameworks used to assess the smart contract vulnerabilities**

- ❖ Slither
- ❖ Consensys MythX
- ❖ Consensus Surya
- ❖ Open Zeppelin Code Analyzer
- ❖ Solidity Code Compiler



## Crypto Hub's Risk Classification

Smart contracts are generally designed to manipulate and hold funds denominated in ETH/BNB. This makes them very tempting attack targets, as a successful attack may allow the attacker to directly steal funds from the contract. Below are the typical risk levels of a smart contract: Vulnerable:

A contract is vulnerable if it has been flagged by a static analysis tool as such. As we will see later, this means that some contracts may be vulnerable because of a false-positive.

**Exploitable:** A contract is exploitable if it is vulnerable and the vulnerability could be exploited by an external attacker. For example, if the “vulnerability” flagged by a tool is in a function which requires to own the contract, it would be vulnerable but not exploitable.

**Exploited:** A contract is exploited if it received a transaction on the main network which triggered one of its vulnerabilities. Therefore, a contract can be vulnerable or even exploitable without having been exploited.

Risk severity	Meaning
! Critical	This level of vulnerability could be exploited easily, and can lead to asset loss, data loss, asset manipulation, or data manipulation. They should be fixed right away.
! High	This level vulnerabilities are hard to exploit but very important to fix, they carry an elevated risk of smart contract manipulation, which can lead to critical risk severity
! Medium	This level of vulnerabilities should be fixed, as they carry an inherent risk of future exploits, and hacks which may or may not impact the smart contract execution.
! Low	This level of vulnerability can be ignored. They are code style violations, and informational statements in the code. They may not affect the smart contract execution



# Smart Contract Risk Assessment

## Contract Snapshot

---

```
pragma solidity ^0.8.17;

// File contracts/interface/IFactory.sol

interface IFactory {
    function createPair(address tokenA, address tokenB)
        external
        returns (address pair);
}

// File contracts/data/constants.sol

pragma solidity ^0.8.17;

uint16 constant DECIMALS = 18;
uint256 constant MAX_TX = 100_000 * 10**DECIMALS;
uint256 constant MAX_WALLET = 1_000_000 * 10**DECIMALS;
string constant TOKEN_NAME = "WEDGE";
string constant TOKEN_SYMBOL = "Wedge Token";
uint256 constant TOTAL_SUPPLY = 1_000_000_000;

// tax
uint16 constant DENOMINATOR = 10000;
uint16 constant MAX_FEE = 900; // 9%
uint16 constant BUY_FEE = 100; // 1%
uint16 constant ADMIN_SELL_FEE = 100; // 1%
uint16 constant MARKETING_SELL_FEE = 100; // 1%
address constant ADMIN_WALLET = 0x4D654149c3842d6d48C05d28F621Cbb0Aebbc959;
address constant MARKETING_WALLET = 0x4D654149c3842d6d48C05d28F621Cbb0Aebbc959;

// File @openzeppelin/contracts/utils/Context.sol@v4.7.3

// OpenZeppelin Contracts v4.4.1 (utils/Context.sol)
```





## Static / Quick Analysis

### Honeypot Risk



#### **This does not appear to be a honeypot.**

We are not aware of any malicious code.



#### **Functions that can suspend trading**

If a suspendable code is included, the token maybe neither be bought nor sold (honeypot risk).



#### **No trading cooldown function**

The token contract has no trading cooldown function. If there is a trading cooldown function, the user will not be able to sell the token within a certain time or block after buying.



#### **Anti\_whale(Limited number of transactions)**

The number of token transactions is limited. The number of scam token transactions may be limited (honeypot risk).



#### **Anti whale is modifiable**

The maximum token trading amount or maximum position can be modified, which may lead to suspension of trading. (honeypot risk).



#### **Tax can be modified**

The contract owner may contain the authority to modify the transaction tax. If the transaction tax is increased to more than 49%, the tokens will not be able to be traded (honeypot risk).



#### **Blacklist function**

The blacklist function is included. Some addresses may not be able to trade normally (honeypot risk).



#### **No whitelist**

The whitelist function is not included. If there is a whitelist, some addresses may not be able to trade normally (honeypot risk).



#### **No tax changes found for personal addresses**

No tax changes were found for every assigned address. If it exists, the contract owner may set a very outrageous tax rate for assigned address to block it from trading.



## Contract Security



### Contract source code verified

This token contract is open source. You can check the contract code for details. Unsourced token contracts are likely to have malicious functions to defraud their users of their assets.



### No proxy

There is no proxy in the contract. The proxy contract means contract owner can modify the function of the token and possibly effect the price.



### No mint function

Mint function is transparent or non-existent. Hidden mint functions may increase the amount of tokens in circulation and effect the price of the token.



### No function found that retrieves ownership

If this function exists, it is possible for the project owner to regain ownership even after relinquishing it



### Owner can't change balance

The contract owner is not found to have the authority to modify the balance of tokens at other addresses.



### Hidden owner

The token has a hidden owner address. For contract with a hidden owner, developer can still manipulate the contract even if the ownership has been abandoned.



### This token can not self destruct

No self-destruct function found. If this function exists and is triggered, the contract will be destroyed, all functions will be unavailable, and all related assets will be erased.

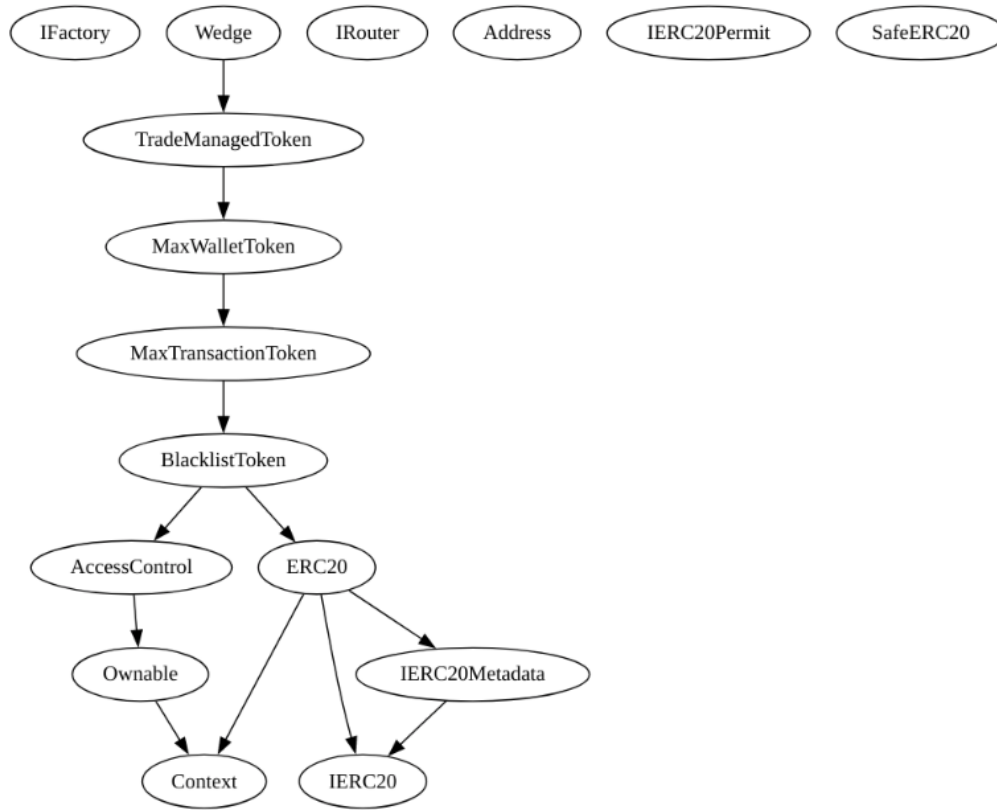


### No external call risk found

External calls would cause this token contract to be highly dependent on other contracts, which may be a potential risk.



## Software Analysis



Sighash	Function Signature
16279055	=> isContract(address)
39509351	=> increaseAllowance(address,uint256)
70480275	=> addAdmin(address)
c9c65396	=> createPair(address,address)
119df25f	=> _msgSender()
8b49d47e	=> _msgData()
8da5cb5b	=> owner()
53a72975	=> _checkOwner()
715018a6	=> renounceOwnership()
f2fde38b	=> transferOwnership(address)
d29d44ee	=> _transferOwnership(address)
f978e842	=> _addAdmin(address)
1785f53c	=> removeAdmin(address)
9bed25d8	=> renounceAdminShip()
24d7806c	=> isAdmin(address)
18160ddd	=> totalSupply()
70a08231	=> balanceOf(address)
a9059cbb	=> transfer(address,uint256)
dd62ed3e	=> allowance(address,address)
095ea7b3	=> approve(address,uint256)
23b872dd	=> transferFrom(address,address,uint256)
06fdde03	=> name()
95d89b41	=> symbol()
313ce567	=> decimals()
a457c2d7	=> decreaseAllowance(address,uint256)
30e0789e	=> _transfer(address,address,uint256)
4e6ec247	=> _mint(address,uint256)
6161eb18	=> _burn(address,uint256)
104e81ff	=> _approve(address,address,uint256)
1532335e	=> _spendAllowance(address,address,uint256)
cad3be83	=> _beforeTokenTransfer(address,address,uint256)
8f811a1c	=> _afterTokenTransfer(address,address,uint256)
44337ea1	=> addToBlacklist(address)
537df3b6	=> removeFromBlacklist(address)
fe575a87	=> isBlacklisted(address)
1e293c10	=> setMaxTransactionAmount(uint256)
c8c8ebe4	=> maxTransactionAmount()
72a2e084	=> addToExemptedFromMaxTx(address)
9aa6a47b	=> removeFromExemptedFromMaxTx(address)
a87bc65e	=> isExemptedFromMaxTx(address)
3c05f3f8	=> _exemptFromMaxTx(address)
89f9e27d	=> isExemptedFromMaxWallet(address)
27a14fc2	=> setMaxWalletAmount(uint256)
ec765fb8	=> exemptFromMaxWallet(address)
aa4bde28	=> maxWalletAmount()
a93db4e9	=> _exemptFromMaxWallet(address)
3b20ffa4	=> removeExemptFromMaxWallet(address)
6e9087db	=> isTrading()
8f70ccf7	=> setTrading(bool)
f305d719	=> addLiquidityETH(address,uint256,uint256,uint256,address,uint256)
18cbaf5e	=> swapExactTokensForETH(uint256,uint256,address[],address,uint256)
791ac947	=> swapExactTokensForETHSupportingFeeOnTransferTokens(uint256,uint256,address[],address,uint256)
24a084df	=> sendValue(address,uint256)
a0b5ffb0	=> functionCall(address,bytes)
241b5886	=> functionCall(address,bytes,string)
2a011594	=> functionCallWithValue(address,bytes,uint256)
d525ab8a	=> functionCallWithValue(address,bytes,uint256,string)
c21d36f3	=> functionStaticCall(address,bytes)
dbc40fb9	=> functionStaticCall(address,bytes,string)
ee33b7e2	=> functionDelegateCall(address,bytes)
57387df0	=> functionDelegateCall(address,bytes,string)
946b5793	=> verifyCallResult(bool,bytes,string)
d505accf	=> permit(address,address,uint256,uint256,uint8,bytes32,bytes32)
7e4e4e00	=> nonces(address)
3644e515	=> DOMAIN_SEPARATOR()
d0c407e1	=> safeTransfer(IERC20,address,uint256)
5beae096	=> safeTransferFrom(IERC20,address,address,uint256)
d6dcec8d	=> safeApprove(IERC20,address,uint256)
390cc046	=> safeIncreaseAllowance(IERC20,address,uint256)
516affed	=> safeDecreaseAllowance(IERC20,address,uint256)
aecb368d	=> safePermit(IERC20Permit,address,address,uint256,uint256,uint8,bytes32,bytes32)
becc5a20	=> _callOptionalReturn(IERC20,bytes)
61963f0d	=> processReserves()
ffbc91d9	=> addLPPair(address)
e01af92c	=> setSwapEnabled(bool)
1f53ac02	=> setDevWallet(address)
5d098b38	=> setMarketingWallet(address)
a9a2614a	=> setFees(uint64,uint64,uint128)
aeb854f8	=> exemptFromFees(address,bool)
c6af580b	=> setTaxEnabled(bool)
8ca356a6	=> _customTransfer(address,address,uint256)
d9f0abfe	=> _processReserves(bool)
7bf54cb9	=> _swapAndLiquify(uint256)
8f208db5	=> _swap(uint256,address)



Surya's Description Report

Files Description Table

File Name	SHA-1 Hash
/home/cryptohub/output/wedge.sol	4a6f4ed5288424b7c7ff02/459e41dcb33ed5e8a8

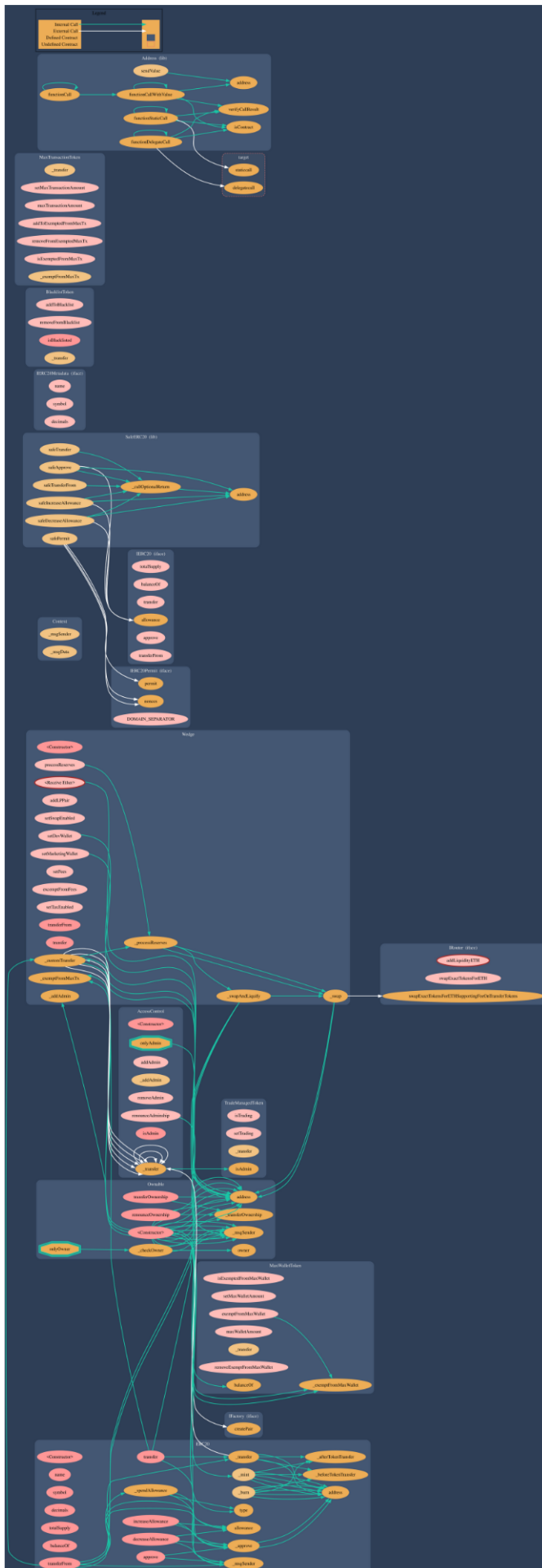
Contracts Description Table

Contract	Type	Bases	isUtility	isModifiable
IFactory	Interface	None	NO	NO
createPair	External	None	NO	NO
Context	Implementation	None	NO	NO
mspender	Internal	None	NO	NO
asData	Internal	None	NO	NO
Queryable	Implementation	Context	NO	NO
Constructor	Public	None	NO	NO
owner	Public	None	NO	NO
checkOwner	Internal	None	NO	NO
renounceOwnership	Public	None	NO	onlyOwner
transferOwnership	Public	None	NO	onlyOwner
transferOwnership	Internal	None	NO	NO
AccessControl	Implementation	Queryable	NO	NO
Constructor	Public	None	NO	NO
addAdmin	External	None	NO	onlyOwner
addAdmin	Internal	None	NO	NO
removeAdmin	External	None	NO	onlyOwner
renounceAdminShip	External	None	NO	onlyAdmin
isAdmin	Public	None	NO	NO
IERC20	Interface	None	NO	NO
totalSupply	External	None	NO	NO
balanceOf	External	None	NO	NO
transfer	External	None	NO	NO
allowance	External	None	NO	NO
approve	External	None	NO	NO
transferFrom	External	None	NO	NO
IERC20Metadata	Interface	IERC20	NO	NO
name	External	None	NO	NO
symbol	External	None	NO	NO
decimals	External	None	NO	NO
ERC20	Implementation	Context, IERC20, IERC20Metadata	NO	NO
Constructor	Public	None	NO	NO
name	Public	None	NO	NO
symbol	Public	None	NO	NO
decimals	Public	None	NO	NO
totalSupply	Public	None	NO	NO
balanceOf	Public	None	NO	NO
transfer	Public	None	NO	NO
allowance	Public	None	NO	NO
approve	Public	None	NO	NO
transferFrom	Public	None	NO	NO
increaseAllowance	Public	None	NO	NO
decreaseAllowance	Public	None	NO	NO
transfer	Internal	None	NO	NO
mint	Internal	None	NO	NO
burn	Internal	None	NO	NO
approve	Internal	None	NO	NO
spendAllowance	Internal	None	NO	NO
beforeTokenTransfer	Internal	None	NO	NO
afterTokenTransfer	Internal	None	NO	NO
BlacklistToken	Implementation	ERC20, AccessControl	NO	NO
addBlacklist	External	None	NO	onlyAdmin
removeFromBlacklist	External	None	NO	onlyAdmin
isBlacklisted	Public	None	NO	NO
transfer	Internal	None	NO	NO
MaxTransactionToken	Implementation	BlacklistToken	NO	NO
transfer	Internal	None	NO	NO
setMaxTransactionAmount	External	None	NO	onlyAdmin
maxTransactionAmount	External	None	NO	NO
addExemptFromMaxTx	External	None	NO	onlyAdmin
removeExemptFromMaxTx	External	None	NO	onlyAdmin
isExemptFromMaxTx	External	None	NO	NO
executeFromMaxTx	Internal	None	NO	NO
MaxWalletToken	Implementation	MaxTransactionToken	NO	NO
isExemptFromMaxWallet	External	None	NO	NO
addMaxWalletAmount	External	None	NO	onlyAdmin
exemptFromMaxWallet	External	None	NO	onlyAdmin
maxWalletAmount	External	None	NO	NO
transfer	Internal	None	NO	NO
executeFromMaxWallet	Internal	None	NO	NO
removeExemptFromMaxWallet	External	None	NO	onlyAdmin
TradeManagedToken	Implementation	MaxWalletToken	NO	NO
isTrading	External	None	NO	NO
setTrading	External	None	NO	onlyAdmin
transfer	Internal	None	NO	NO
Router	Interface	None	NO	NO
swapExactETH	External	None	NO	NO
swapExactTokensForETH	External	None	NO	NO
swapExactTokensForHoupportugueseadmintransferTokens	External	None	NO	NO
Address	Library	None	NO	NO
isContract	Internal	None	NO	NO
sendValue	Internal	None	NO	NO
functionCall	Internal	None	NO	NO
functionCall	Internal	None	NO	NO
functionCallWithValue	Internal	None	NO	NO
functionCallWithValue	Internal	None	NO	NO
functionStaticCall	Internal	None	NO	NO
functionStaticCall	Internal	None	NO	NO
functionDelegateCall	Internal	None	NO	NO
functionDelegateCall	Internal	None	NO	NO
verifyCallResult	Internal	None	NO	NO
IERC20Permit	Interface	None	NO	NO
permit	External	None	NO	NO
nonces	External	None	NO	NO
DOMAIN_SEPARATOR	External	None	NO	NO
SafeERC20	Library	None	NO	NO
safeTransfer	Internal	None	NO	NO
safeTransferFrom	Internal	None	NO	NO
safeApprove	Internal	None	NO	NO
safeIncreaseAllowance	Internal	None	NO	NO
safeDecreaseAllowance	Internal	None	NO	NO
safePermit	Internal	None	NO	NO
callOptionsUsturn	Private	None	NO	NO
Wedge	Implementation	TradeManagedToken	NO	NO
Constructor	Public	None	NO	NO
executeETH	External	None	NO	NO
processReserves	External	None	NO	NO
addLPpair	External	None	NO	onlyAdmin
setSwapEnabled	External	None	NO	onlyAdmin
setDeWallet	External	None	NO	onlyAdmin
setMarketingWallet	External	None	NO	onlyAdmin
setFees	External	None	NO	onlyAdmin
executeFromFees	External	None	NO	onlyAdmin
setTaxEnabled	External	None	NO	onlyAdmin
transferFrom	Public	None	NO	NO
transfer	Public	None	NO	NO
customTransfer	Internal	None	NO	NO
processReserves	Internal	None	NO	NO
swapMultiBuy	Internal	None	NO	NO
swap	Internal	None	NO	NO

Legend

Symbol	Meaning
●	Function can modify state
■	Function is payable





## SWC Attacks

The following table contains an overview of the SWC registry. Each row consists of an SWC identifier (ID), weakness title, CWE parent and list of related code samples.

The auditor used a MythX tool, A static analyzer that parses the Solidity AST, a symbolic analyzer that detects possible vulnerable states, and a greybox fuzzer that detects vulnerable execution paths.

ID	Description	Status
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	✓ Passed
SWC - 108	State Variable Default Visibility	✓ Passed
SWC - 109	Uninitialized Storage Pointer	✓ Passed
SWC - 110	Assert Violation Passed	✓ 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



ID	Description	Status
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
SWC - 123	Requirement Violation Passed	✓ Passed
SWC - 124	Write to Arbitrary Storage Location	✓ Passed
SWC - 125	Incorrect Inheritance Order Passed	✓ 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





## Manual Analysis

A few Floating Pragmas (SWC - 103) have been detected as false positives.

## Risk Status

Risk severity	Meaning
! Critical	None critical severity issues identified
! High	None high severity issues identified
! Medium	None medium severity issues identified
! Low	None low severity issues identified
Verified	22 functions and instances verified and checked
Safety Score	93 out of 100

## Report Summary

Crypto Hub team has performed a line-by-line manual analysis and automated review of the smart contract. The smart contract was analyzed mainly for common smart contract vulnerabilities, exploits, and manipulation hacks.

Wedge Finance smart contract source code has **LOW RISK SEVERITY**.

Wedge Finance has **PASSED** the smart contract audit.



### **Note for stakeholders:**

Be aware that active smart contract owner privileges constitute an elevated impact on smart contract's safety and security.

Make sure that the project team's KYC/identity is verified by an independent firm, e.g., Crypto Hub.

Always check if the contract's liquidity is locked. A longer liquidity lock plays an important role in the project's longevity. It is recommended to have multiple liquidity providers.

Examine the unlocked token supply in the owner, developer, or team's private wallets. Understand the project's tokenomics, and make sure the tokens outside of the LP Pair are vested or locked for a longer period of time.

Ensure that the project's official website is hosted on a trusted platform, and is using an active SSL certificate. The website's domain should be registered for a longer period of time.



## Audit & KYC Certificates

We hereby certificate Wedge Finance token smart contract as an audited project under the Crypto Hub enterprise umbrella. And to represent it as such we issued the following certificate:



# Legal Advisory

## *Important Disclaimer*

Crypto Hub provides contract auditing and project verification services for blockchain projects. The purpose of the audit is to analyze the on-chain smart contract source code, and to provide a basic overview of the project. This report should not be transmitted, disclosed, referred to, or relied upon by any person for any purposes without Crypto Hub prior written consent.

Crypto Hub provides the easy-to-understand assessment of the project, and the smart contract (otherwise known as the source code). The audit makes no statements or warranties on the security of the code. It also cannot be considered as an adequate assessment regarding the utility and safety of the code, bug-free status, or any other statements of the contract. While we have used all the data at our disposal to provide the transparent analysis, it is important to note that you should not rely on this report only — we recommend proceeding with several independent audits and a public bug bounty program to ensure the security of smart contracts. Be aware that smart contracts deployed on a blockchain aren't resistant from external vulnerability, or a hack. Be aware that active smart contract owner privileges constitute an elevated impact to smart contract's safety and security. Therefore, Crypto Hub does not guarantee the explicit security of the audited smart contract.

The analysis of the security is purely based on the smart contracts alone. No applications or operations were reviewed for security. No product code has been reviewed.

This report should not be considered as an endorsement or disapproval of any project or team. The information provided in this report does not constitute investment advice, financial advice, trading advice, or any other sort of advice and you should not treat any of the report's content as such. Do conduct your own due diligence and consult your financial advisor before making any investment decisions.



## *About Crypto Hub*

Crypto Hub provides intelligent blockchain solutions. Crypto Hub is developing an ecosystem that is seamless and responsive. Some of our services: Blockchain Security, Token Launchpad, NFT Marketplace, etc. Crypto Hub's mission is to interconnect multiple services like Blockchain Security, DeFi, Gaming, and Marketplace under one ecosystem that is seamless, multi-chain compatible, scalable, secure, fast, responsive, and easy-to-use.

Crypto Hub is built by a decentralized team of UI experts, contributors, engineers, and enthusiasts from all over the world. Our team currently consists of 3+ core team members, and 6+ casual contributors. Crypto Hub provides manual, static, and automatic smart contract analysis, to ensure that the project is checked against known attacks and potential vulnerabilities.

