Swift, Accurate, Secure

SMART CONTRACT AUDIT

+ Project Analysis

PROJECT NAME:	KEYSWAP
TOKEN ADDRESS:	0x07b1681C082039551952bDee4A505cecC2FF4998
TOKEN WEBSITE:	https://keyswap.exchange/
TELEGRAM:	https://t.me/keyswap_chat
TWITTER:	https://twitter.com/keyswap_dex

KEYSWAP

KEYSWAP HAS **PASSED** THE AUDIT WITH A HIGH SCORE OF **97%** AND IS CONSIDERED **SAFE** FROM A SECURITY STANDPOINT - **PLEASE SEE FULL REPORT BELOW.**

VULNERABILITIES DETECTED

| CRITICAL	MAJOR	MEDIUM	MINOR	INFORMATIONAL
0	0	0	0	0

PLEASE READ BELOW FOR THOROUGH REPORT

Rhino Auditing HAS AUDITED KEYSWAP ON THE 05th OF March 2022 AND CONDUCTED a Smart Contract Code Review and Security Analysis. This report presents the findings and vulnerabilities together with suggestions on how to fix said vulnerabilities. a score will be presented to the project based on findings. This score will determine if the project is SAFE or UNSAFE.

INTRODUCTION

Advanced Defi on Binance Smart Chain with new interesting features. Metaverse, NFTs, and Launchpad are provided with new types of farms and pools. Start to boost right now!

PROJECT NAME:	KEYSWAP
TOKEN TICKER:	KEY
TOKEN ADDRESS:	0x07b1681C082039551952bDee4A505cecC2FF4998
NETWORK:	Binance Smart Chain Contract
TOTAL SUPPLY:	20,000,000 KEY
DEV WALLET:	0x7ed93b1a7ab560a8672d40ab5d713dd610b51c3d
MARKETING WALLET:	0xfae0c9848538588c2d3cbba16a8ea9d23581ab6e
LIQUIDITY:	NO LIQUIDITY AT THE TIME OF THE AUDIT
LP PAIRING:	BNB + KEY
WEBSITE ADDRESS:	KEYSWAP.EXCHANGE

TOKENOMICS & TAX

BUY TAX %

SELL TAX %

0%   1%   2%   3%   4%   5%   6%
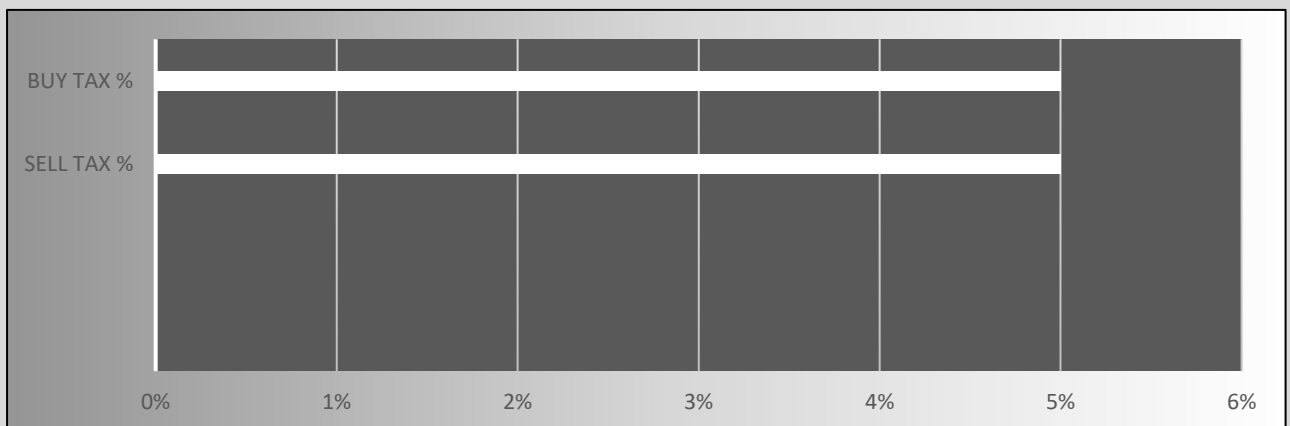
The Source Code of the contract audited is the verified contract located on bscscan. This Contract while under Review by Rhino Auditing has went through a rigorous analysis AND every line of code both manually AND Automatically AUDITED.

THE FOLLOWING AUDITING METHODOLOGY IS BEING USED:

- Ensuring the contract source meets the needs of the client and that there are no security vulnerabilities unturned that may result in investor loss or the dissolving of the project
- verify contract functions such as mint, lock, pause, and blacklist – and establish who is allowed to perform these functions & if they can be exploited.
- testing the smart contract against various attack vectors, with various difficulties.
- classification of vulnerabilities found, alongside with suggestions on how to fix said vulnerabilities.
- social media analysis to establish project sentiment and website analysis & review
- assessment of the code base, alongside with gas optimization test and deployment on our local test network for further analysis after deployment
- inspection of liquidity and establishing if it is locked, how long it is long for, and who has the rights to remove liquidity
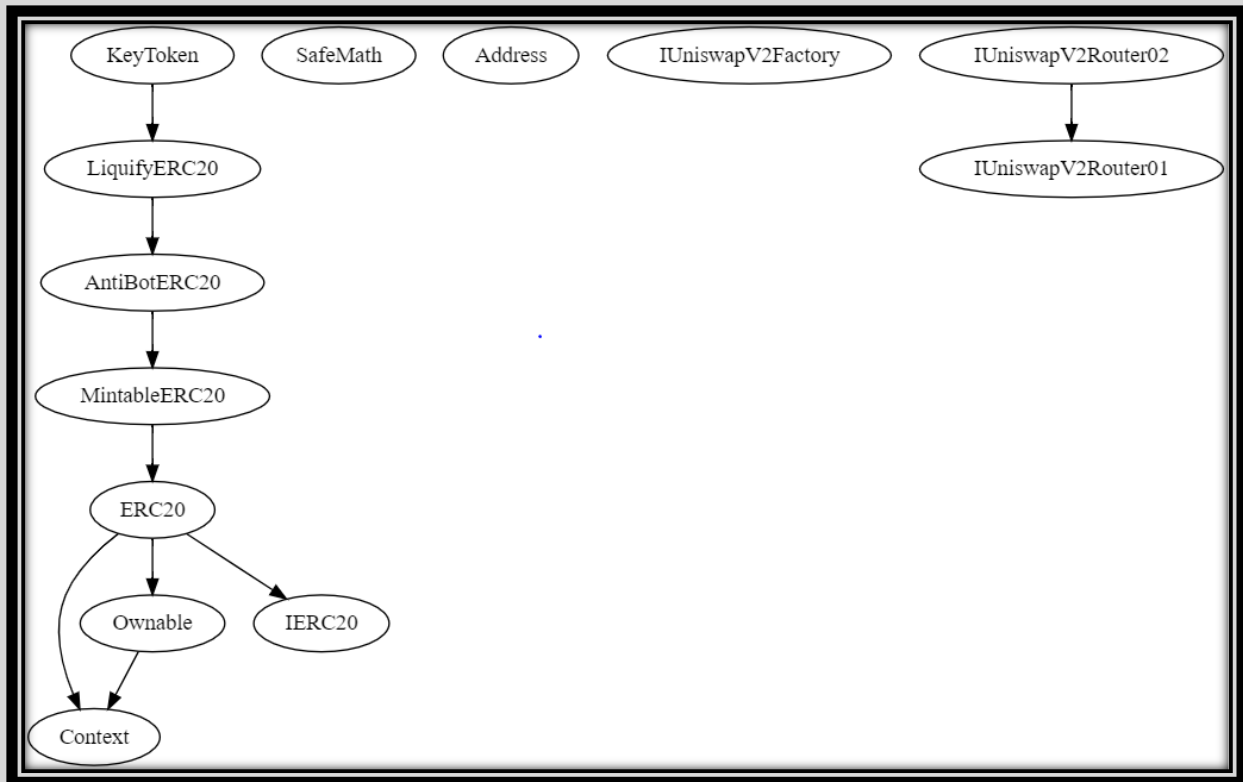- An in-depth report presenting all findings to the client and to his investors.

CRITICAL	MAJOR	MEDIUM	MINOR	INFORMATIONAL
0	0	0	0	0

SWC VULNERABILITIES INSPECTED	STATUS
FUNCTION DEFAULT VISIBLITY	PASSED
INTEGER OVERFLOW AND UNDERFLOW	PASSED
OUTDATED COMPILER VERSION	PASSED
FLOATING PRAGMA	PASSED
UNCHECKED CALL RETURN VALUE	PASSED
UNPROTECTED ETHER/FUNDS WITHDRAWAL	PASSED
UNPROTECTED SELF DESTRUCT FUNCTION	PASSED
REENTRRANCY	PASSED
STATE VARIABLE DEFAULT VISIBILIYU	PASSED
ASSERT VIOLATION	PASSED
USE OF DEPRECATED SOLIDITY FUNCTIONS	PASSED
DELEGATECALL TO UNTRUSTED CALLEE	PASSED
DOS WITH FAILED CALL	PASSED
AUTHORIZATION THROUGH TX.ORIGIN	PASSED
BLOCK VALUES AS PROXY FOR TIME	PASSED
INCORRECT CONSTRUCTOR NAME	PASSED
SHADOWING STATE VARIABLES	PASSED
WEAK SOURCES OF RANDOMNESS FROM CHAIN	PASSED
REQUIREMENT VIOLATION	PASSED
INCORRECT INHERITANCE ORDERING	PASSED
PRESENCE OF UNUSED VARIABLES	PASSED
DOS WITH BLOCK GAS LIMIT	PASSED
TYPOGRAPHICAL ERRORS	PASSED
CODE WITH NO FUNCTIONS	PASSED
UNCRYPTED PRIVATE DATA ON BLOCKCHAIN	PASSED

THE SMART CONTRACT HAS PASSED ALL VULNERABILITY CHECKS – NO CONCERNS

Owner Can Blacklist Wallets & remove them from Blacklist

```solidity
    function excludeFromBlacklist(address account) public onlyOwner {
        _blacklist[account] = false;
        emit ExcludedFromBlacklist(account);
    }
    function includeInBlacklist(address account) public onlyOwner {
        _blacklist[account] = true;
        emit IncludedInBlacklist(account);
```

Owner Can Exclude Wallets from the Anti-Whale Function

```solidity
function excludeFromAntiWhales(address account) public onlyOwner {
        _isExcludedFromAntiWhales[account] = true;
        emit ExcludedFromAntiWhales(account);
    }
    function includeInAntiWhales(address account) public onlyOwner {
        _isExcludedFromAntiWhales[account] = false;
        emit IncludedInAntiWhales(account);
```

OWNER PRIVILEGES PART 2

OWNER CAN EXCLUDE AND INCLUDE WALLETS FROM TRANSACTION FEES

```
    function excludeFromFee(address account) external onlyOwner {
        _isExcludedFromFee[account] = true;
    }

    function includeInFee(address account) external onlyOwner {
        _isExcludedFromFee[account] = false;
```

OWNER CAN MINT NEW TOKENS – MAY BE NECESSARY DUE TO CLIENT RUNNING A SWAP SERVICE

```
function _mint(address account, uint256 amount) internal {
        require(account != address(0), "ERC20: mint to the zero address");

        _totalSupply = _totalSupply.add(amount);
        _balances[account] = _balances[account].add(amount);
        emit Transfer(address(0), account, amount);
```

OWNER CAN CHANGE MARKETING WALLET OF TOKEN

```
    function setMarketingWallet(address payable newMarketingWallet)
        external
        onlyOwner
```

THE OWNER CAN CHANGE THE TAX UP TO 10% FOR EVERY TRANSACTION

```
    uint16 public MaxLiquifyFee = 500; // 30% max
    uint16 public MaxMarketingFee = 500; // 30% max
--------------------------------------------------------------------------
   function setAllFeePercent(uint16 liquifyFee, uint16 marketingFee)
        external
        onlyOwner
    {
        require(liquifyFee <= MaxLiquifyFee, "Liquidity fee overflow");
        require(marketingFee <= MaxMarketingFee, "Buyback fee overflow");
        _liquifyFee = liquifyFee;
        _marketingFee = marketingFee;
    {
```
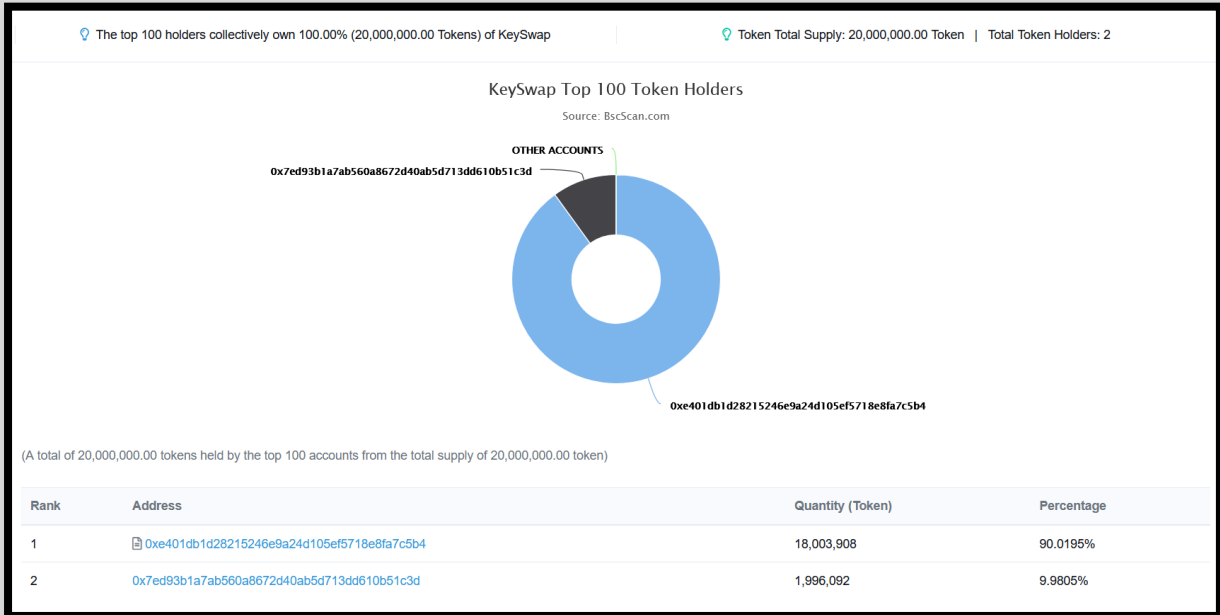
THE OWNER CAN ENABLE/DISABLE TAXATION ON TOKEN SALE

```
    bool public _applyFeeOnlyOnSell = false;
--------------------------------------------------------------------------
    function applyFeeOnlyOnSell(bool flag) external onlyOwner {
        _applyFeeOnlyOnSell = flag;
    }
```

TOKEN ANALYTICS

The top 100 holders collectively own 100.00% (20,000,000.00 Tokens) of KeySwap | Token Total Supply: 20,000,000.00 Token | Total Token Holders: 2

KeySwap Top 100 Token Holders
Source: BscScan.com

OTHER ACCOUNTS

0x7ed93b1a7ab560a8672d40ab5d713dd610b51c3d

0xe401db1d28215246e9a24d105ef5718e8fa7c5b4

(A total of 20,000,000.00 tokens held by the top 100 accounts from the total supply of 20,000,000.00 token)

Rank	Address	Quantity (Token)	Percentage
1	0xe401db1d28215246e9a24d105ef5718e8fa7c5b4	18,003,908	90.0195%
2	0x7ed93b1a7ab560a8672d40ab5d713dd610b51c3d	1,996,092	9.9805%

SOCIAL MEDIA ANALYSIS

TWITTER ACTIVITY ANALYSIS OF CLIENT AS OF 05/03/2022 FROM TRACKING AVAILABILITY

keyswap 02.04.2022 - 03.05.2022

Total Likes	Total Shares	Total Posts	Followers	ER day, %
872	641	9	738	34.169%

ER post, %	LR, %	Average Likes	Average Shares	
22.779%	13.129%	97	71	

TELEGRAM CHANNEL MEMBER SIZE AS OF 05/03/2022

Keyswap
1,132 members

t.me/keyswap_chat
Link

keyswap Chat group
Description
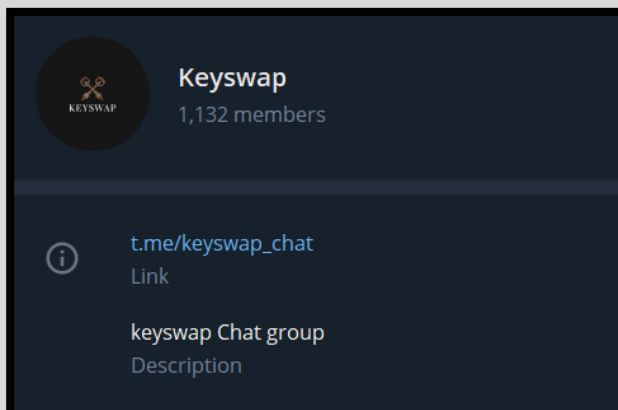
- **Average new member per hour: 68**
- **Average time between messages: 21 SEC**
- **Telegram Hype Level: HIGH**
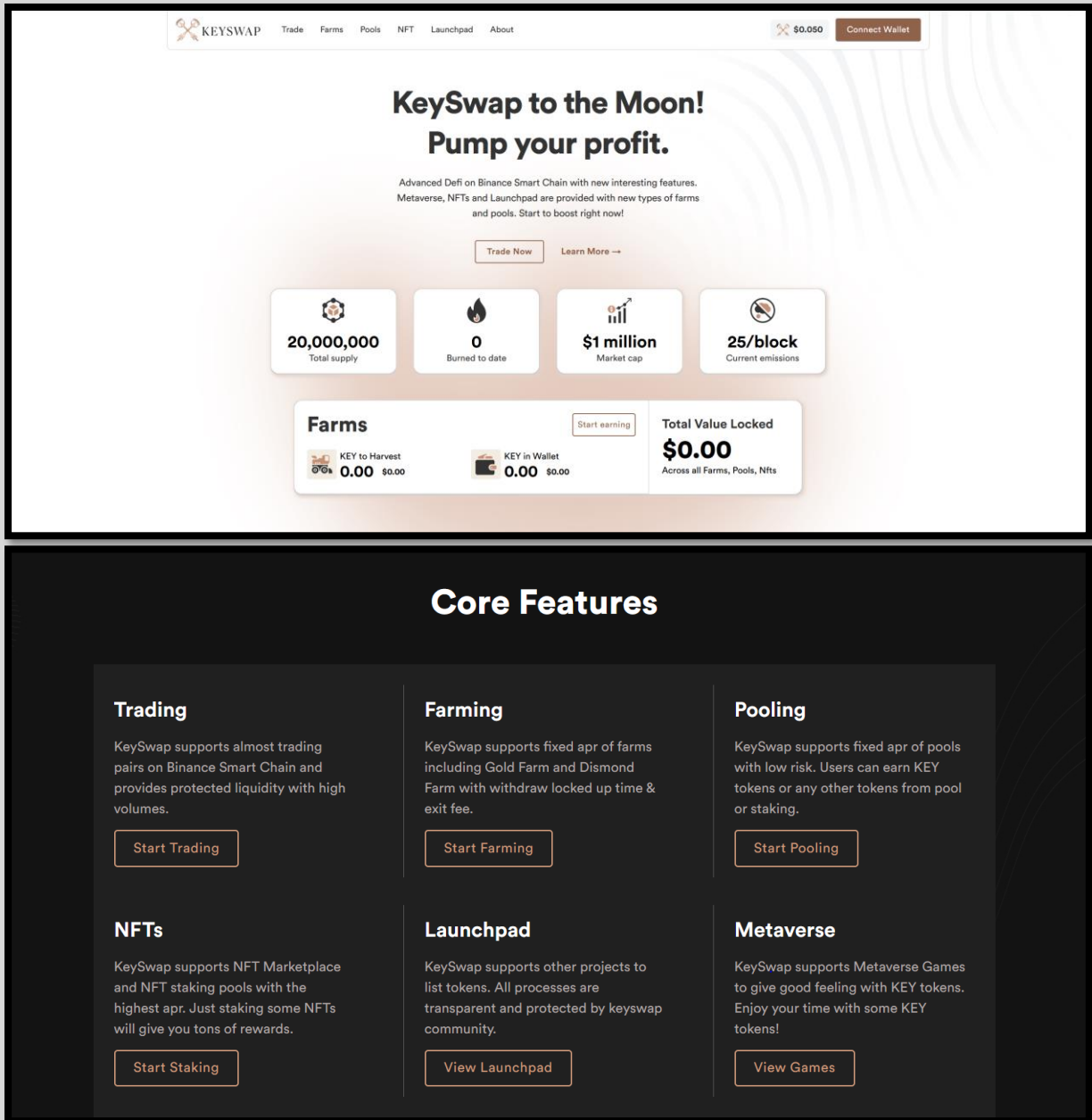
KEYSWAP.EXCHANGE

KEYSWAP.EXCHANGE WEBSITE IS THE MAIN PLATFORM OF THE KEYSWAP TOKEN. IT IS WELL DESIGNED, PACKED WITH FEATURES, AND IS OF HIGH QUALITY. RHINO GIVES THIS WEBSITE A 9/10 IN TERMS OF DESIGN, RESPONSIVENESS, USER FRIENDLY INTERACTIVITY, AND OVERALL EASE OF READING.

OUR SOCIAL MEDIA

WEBSITE: RHINOAUDITING.COM

TWITTER: @RHINOAUDITING

TELEGRAM: T.ME/RHINOAUDITING

EMAIL: ADMIN@RHINOAUDITING.COM

BOOK AN AUDIT BY CONTACTING: T.ME/RHINOCEO

PLEASE CHECK OUR WEBSITE FOR VARIOUS PRICING PACKAGES, WE OFFER KYC SERVICES, ICO CONSULTING, WEBSITE & SOCIAL MEDIA ANALYSIS AND SUGGESTIONS ON HOW TO IMPROVE MOST ASPECTS OF YOUR CRYPTOCURRENCY BUSINESS.