
LeonicornSwap

Smart Contract Audit Report



Introduction

This is a technical audit report for Leonicornswap(LEOS) token smart contract.

This audit is purely technical and is not any investment advise.

Only thing it will tell is, LEOS smart contract is safe to make transactions.

Smart Contract Audit goals

Consensys ethereum smart contract security best practices

- Whether the code is written in a simple, readable and security mindset
- Checked the code whether its able to protect against all smart contract known attacks like re-entrancy, race conditions, time stamp dependence, underflow and overflow, DoS attacks like unexpected revert, block gas limit etc
- Checked against gas optimization
- OpenZeppelin safeMath library
- Analyze smart contract with various Consensys recommended tools like Mythril, Securify, Smartcheck to name a few. Also used some proprietary developed tools

Primary architecture review

- In depth architecture review
- Code correctness
- Documentation
- Code analysis for syntax errors

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Testing against LeonicornSwap requirements

- Testing smart contract against the specified customer requirements which are described in LeonicornSwap White paper and website
- Evaluating the smart contract on Binance Smart Chain test network

About LeonicornSwap

Leonicorn Swap is a decentralized exchange (DEX) that is going to be built on Binance Smart Chain (BSC).

The decentralized exchange introduces to the cryptocurrency industry new and advanced features that lets our users earn and win tokens.

Among the notable features include operating based on the Automated Market Makers (AMM) model and a non-fungible token (NFT) marketplace. This has helped us to build one of the most innovative platforms to allow users to trade digital assets and at the same time giving them full control over their money and investment decisions.

Leonicorn Swap is truly decentralized with the most user friendly, efficient and secure cryptocurrency solutions leveraging blockchain technology.

For more information, visit [website](#) and read [Whitepaper](#)

Our competing advantage lies on two aspects namely having built on top of the Binance Smart Chain network and giving our users a wide variety of income opportunities.

Building our solution on Binance Smart Chain ensures we extend fast transactions at the lowest fee possible in the market our rates can go as low as 1 cent. Further, we have built a user-friendly interface meaning anyone can access and use our platform irrespective of technical background.

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Leonicorn Swap as well allows users to enjoy a high performance and decentralized trading experience supported by the AMM model and powered by our native cryptocurrency namely LEOS token.

Finally, we are building a robust DeFi and NFT ecosystem which will be significant to presenting investors with a wide range of investment opportunities.

About LEOS Token

LeonicornSwap platform will be powered with LEOS token.

LEOS is BEP-20 compatible token

The amount of LEOS tokens is limited to 210,000,000

Tokens that are left in the sale will be burned

Token Name : LeonicornSwap
Token Symbol : LEOS
Token Decimals : 8
Total Supply : 210,000,000

Audited Smart contract location

[LeonicornSwap BEP20 Smart Contract](#)

Performed Tests

Performed the following tests on the given smart contract

- Initial Farm offering is properly initialized with given parameters in the code
- Tested onlyOwner modifier requirement
- reflectionFromToken and tokenFromReflection functionality
- Burning functionality
- LEOS token satisfies BEP-20 interface as this is required for crypto exchange listing
- BEP-20 compatible transfer() is available
- Tokens can be transferred with BEP-20 allowance approval
- One cannot transfers more than approved allowance
- transferOwnership functionality
- excludeAccount and includeAccount functionality
- totalFees and totalBurn functionality
- transferFromExcluded and transfertoExcluded functionality

Limitations

Security auditing can't bare all existing vulnerabilities, and even an audit in which no vulnerabilities are found is not a guarantee for a secure smart contract.

However, auditing is there to find out vulnerabilities that are not seen during development and areas where additional security measures are necessary.

We for that reason carry out a source code review to determine all locations that need to be fixed.

Independent consultant has performed wide spread auditing in order to find out as many vulnerabilities as possible.

Risk

LEOS Smart Contract has no risk of losing any amounts of BNB in case of external attack or a bug, as contract does not takes any kind of funds from the user.

Transfer of tokens from smart contract can be controlled by using a script running on back end and can be seen through [BSCScan.io](https://bscscan.io)

LEOS tokens will be transferred according to the investment you made after the main IFO sale is completed.

By using [BSCScan.io](https://bscscan.io), smart contract code can be verified which will lead the compiled code getting matched with the byte code of deployed smart contract in the block chain. It indicates, there is no deviation in LEOS smart contract

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Token LeonicornSwap Buy Exchange Earn Gaming

BscScan - Sponsored slots available. [Book your slot here!](#)

Overview BEP-20

PRICE: \$0.00 @ 0.000000 BNB MARKET CAP: \$0.00

Total Supply: 210,000,000 LEOS

Holders: 12 addresses

Transfers: 19

Profile Summary

Contract: 0x2c8368f8f474ed9af49b87eac77061beb986c2f1

Decimals: 8

Social Profiles: Not Available, [Update ?](#)

Ad

AAX \$0 trading fees on AAX Spot. Limited time offer

[Transfers](#) [Holders](#) [Info](#) [Read Contract](#) [Write Contract](#) [Analytics](#) [Comments](#)

A total of 19 transactions found First < Page 1 of 1 > Last

Txn Hash	Age	From	To	Quantity
0xa8da5ee4e068f5f09dc...	1 hr 51 mins ago	0xa97ba0619d7e223d0e...	0x7536592bb74b5d62eb...	10,500,000
0xae7771f323aa20343ea...	14 hrs 5 mins ago	0x3589b5f16e6ecab036...	0x3f52fb161df67c3204b...	60,000
0x1470178859e98c5c0...	14 hrs 30 mins ago	0x3589b5f16e6ecab036...	0x9488d7bf0068b7db73...	60,000
0x753e75f1c95815b1ec...	14 hrs 50 mins ago	0x3589b5f16e6ecab036...	0x60196c84aeb538865b...	40,000
0x8d51c86f757dd17ad7...	14 hrs 54 mins ago	0x3589b5f16e6ecab036...	0x20df78fb472c38a0714...	30,000
0x89e9e8410ff6cccd0d0...	14 hrs 55 mins ago	0x3589b5f16e6ecab036...	0x53f322dabb3e8455f72...	30,000
0x797edc8d0f0d625996c...	14 hrs 59 mins ago	0x3589b5f16e6ecab036...	0xed25ac278f3444395b...	30,000
0x2f1e15903f93c0a9b5c...	15 hrs 5 mins ago	0x3589b5f16e6ecab036...	0x28a50865d7643dc85d...	37,950

LeonicornSwap Smart Contract Audit

The screenshot displays a smart contract audit report for 'LeonicornSwap' on a blockchain explorer. At the top, the contract address is 0x2c8368f8f474Ed9aF49b87eAc77061BEb986c2f1. Navigation buttons for 'Buy', 'Exchange', 'Earn', and 'Gaming' are visible. A sponsored message for 'Student Coin (STC)' is present. The 'Contract Overview' section shows a balance of 0 BNB and a BNB value of \$0.00. The 'More Info' section includes a 'My Name Tag' (Not Available), the contract creator's address (0x62a83739d919ea0c49...), and a token tracker for 'LeonicornSwap (LEOS)'. An advertisement banner for 'Advertise your brand here!' is shown. Below, the 'Contract Source Code' section is active, showing a verified source code match. The contract name is 'LeonicornSwap', optimization is disabled, and the compiler version is v0.6.12+commit.27d51765. The source code is Solidity, and the first part of the code is visible, including an abstract contract 'Context' with functions 'msgSender()' and 'msgData()'.

Contract 0x2c8368f8f474Ed9aF49b87eAc77061BEb986c2f1

Sponsored: Student Coin (STC) - Get Inspired By The Best Altcoin of 2021! Join Now!

Contract Overview

Balance: 0 BNB

BNB Value: \$0.00

More Info

My Name Tag: Not Available, login to update

Contract Creator: 0x62a83739d919ea0c49... at txn 0x32bd5a8f43e24ebccc...

Token Tracker: LeonicornSwap (LEOS)

Advertise your brand here! Start Today

Transactions **Contract** Events Analytics Comments

Code Read Contract Write Contract Search Source Code

Contract Source Code Verified (Exact Match)

Contract Name: LeonicornSwap Optimization Enabled: No with 200 runs

Compiler Version: v0.6.12+commit.27d51765 Other Settings: default evmVersion, None license

Contract Source Code (Solidity)

```
1- /**
2-  *Submitted for verification at BscScan.com on 2021-06-21
3-  */
4-
5- /**
6-  *Submitted for verification at BscScan.com on 2021-06-18
7-  */
8-
9- // SPDX-License-Identifier: MIT
10-
11- pragma solidity 0.6.12;
12-
13-
14- abstract contract Context {
15-     function msgSender() internal view virtual returns (address payable) {
16-         return msg.sender;
17-     }
18-
19-     function msgData() internal view virtual returns (bytes memory) {
```

Rugpull Verification

There are more and more rugpulls happening these days, so this verification is absolutely needed to protect investor money and token value

The main thing to avoid rugpull is by way of locking tokens in some decentralized locking app like Trustswap

Like mentioned in white paper and website, LEOS tokens were locked by founder in TrustSwap and 45% of total supply (i.e. 945,000,000) is locked

Below are screenshots of the same

The screenshot displays a 'My Locks' interface with five entries. Each entry includes a thinking face emoji, a 'LOCKED' status, the amount of LEOS tokens, the lock date, the unlock date, an 'UNLOCK COUNTDOWN' progress bar, and three action buttons: 'TRANSFER', 'EXTEND', and 'WITHDRAW'.

Token Amount	Locked Date	Unlocks Date	Unlock Countdown	Transfer	Extend	Withdraw
10,500,000.00 LEOS	06/22/2021	06/22/2022	364D - 23H - 49M - 56S	TRANSFER	EXTEND	WITHDRAW
10,500,000.00 LEOS	06/22/2021	12/22/2021	182D - 23H - 47M - 55S	TRANSFER	EXTEND	WITHDRAW
21,000,000.00 LEOS	06/22/2021	04/22/2022	303D - 23H - 44M - 25S	TRANSFER	EXTEND	WITHDRAW
21,000,000.00 LEOS	06/22/2021	12/22/2022	547D - 23H - 41M - 42S	TRANSFER	EXTEND	WITHDRAW
21,000,000.00 LEOS	06/22/2021	12/22/2022	547D - 23H - 39M - 12S	TRANSFER	EXTEND	WITHDRAW

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Also private sale tokens were locked and below is screenshot



Summary

The smart contract has been analyzed using different manual and automated tools.

Code quality is very good and well documented.

Smart Contract logic was checked and compared with White paper description.

Didn't find any inconsistency.

Safe for transactions and to list on crypto exchanges.