Techrate1 Techrate

TechRate

AUDIT COMPANY

Smart Contract Security Audit

TechRate

August, 2021

Audit Details

Audited project

Last 1 Standing

Deployer address

0x0eba660f4ca0a7fa6dc642b65f99ae95ea5257b7

Client contacts:

Last 1 Standing team

Blockchain

Binance Smart Chain

Project website:

www.l1stoken.com

Disclaimer

This is a limited report on our findings based on our analysis, in accordance with good industry practice as at the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, the 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. While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the below disclaimer below – please make sure to read it in full.

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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.

Background

TechRate was commissioned by Last 1 Standing to perform an audit of smart contracts:

https://bscscan.com/address/0xb482b6be91da1ca6ea8eed5735e030dad6ae0212#code

The purpose of the audit was to achieve the following:

- Ensure that the smart contract functions as intended.
- Identify potential security issues with the smart contract.

The information in this report should be used to understand the risk exposure of the smart contract, and as a guide to improve the security posture of the smart contract by remediating the issues that were identified.

Contracts Details

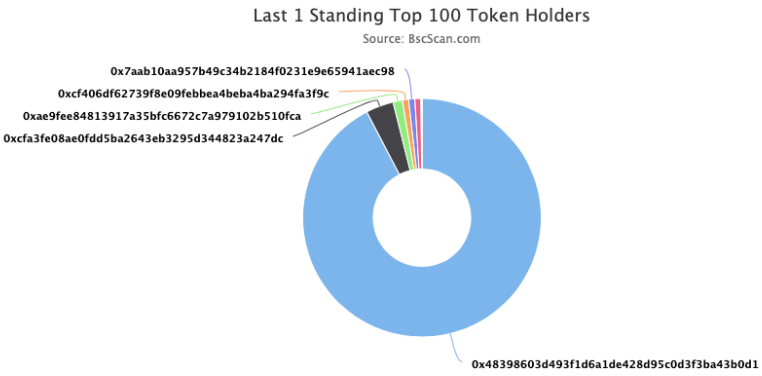
Token contract details for 20.08.2021

Contract name	Last 1 Standing
Contract address	0xB482B6be91dA1cA6Ea8eed5735e030dAD6aE0212
Total supply	795,951,232.257508
Token ticker	L1S
Decimals	18
Token holders	98
Transactions count	260
Top 100 holders dominance	100.00%
Marketing wallet	0x4828cb5f1ce16798b9a552139755aa5013d9ae66
Fees	3/6/1/1/8/100
Pair	0xacab7619ef1b3816c4c1a9089c1a31d226b9f020
Contract deployer address	0x0eba660f4ca0a7fa6dc642b65f99ae95ea5257b7
Contract's current owner address	0x48398603d493f1d6a1de428d95c0d3f3ba43b0d1

Last 1 Standing Token Distribution

The top 100 holders collectively own 100.00% (795,951,232.26 Tokens) of Last 1 Standing

Token Total Supply: 795,951,232.26 Token | Total Token Holders: 98

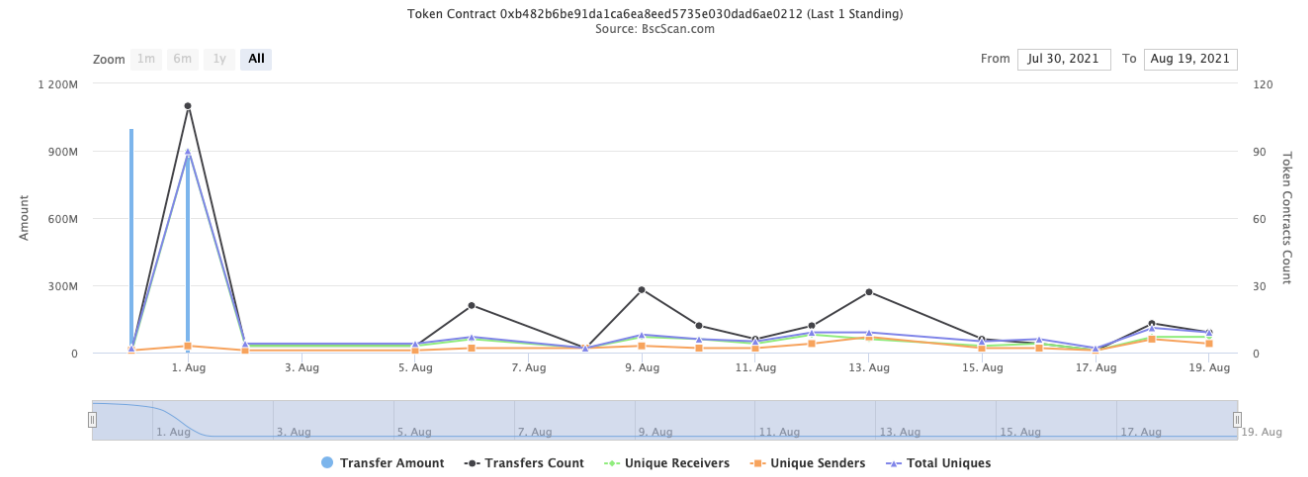


(A total of 795,951,232.26 tokens held by the top 100 accounts from the total supply of 795,951,232.26 token)

Last 1 Standing Contract Interaction Details

Time Series: Token Contract Overview

Sat 31, Jul 2021 - Thu 19, Aug 2021



Last 1 Standing Top 10 Token Holders

Rank	Address	Quantity (Token)	Percentage
1	0x48398603d493f1d6a1de428d95c0d3f3ba43b0d1	735,093,323.795951940591903882	92.3541%
2	0xcfa3fe08ae0fdd5ba2643eb3295d344823a247dc	29,950,613	3.7629%
3	0xae9fee84813917a35bfc6672c7a979102b510fca	10,000,000	1.2564%
4	0xcf406df62739f8e09febbea4beba4ba294fa3f9c	6,666,673	0.8376%
5	0x7aab10aa957b49c34b2184f0231e9e65941aec98	6,666,637	0.8376%
6	0xbcc142992f90a7e615a003e15681d0e70cce7738	6,616,803.67	0.8313%
7	PancakeSwap V2: L1S 2	315,769.511843278622509125	0.0397%
8	0x8820d1eab808478bda0bd150b13248fc5ae8441b	137,494	0.0173%
9	0x495a43ecd087b211b7a79fb12803817a8c94992e	67,502	0.0085%
10	0x7de7542ce88797a2cc3e3b1fafad4934dbd7bb76	50,000	0.0063%

Contract functions details

+ Ownable
  - [Pub] transferOwnership #
    - modifiers: onlyOwner
  - [Pub] <Constructor> #

+ Pausable (Ownable)
  - [Pub] pause #
    - modifiers: onlyOwner,whenNotPaused
  - [Pub] unpause #
    - modifiers: onlyOwner,whenPaused

+ [Int] IBEP20
  - [Ext] balanceOf
  - [Ext] transfer #

+ [Int] IDEXFactory
  - [Ext] createPair #

+ [Int] IDEXRouter
  - [Ext] factory
  - [Ext] addLiquidityETH ($)
  - [Ext] swapExactETHForTokensSupportingFeeOnTransferTokens ($)
  - [Ext] swapExactTokensForETHSupportingFeeOnTransferTokens #

+ StandardToken (Ownable, Pausable)
  - [Ext] <Fallback> ($)
  - [Pub] transfer #
    - modifiers: whenNotPaused
  - [Pub] transferFrom #
    - modifiers: whenNotPaused
  - [Int] _transfer #
  - [Int] _substractBurn #
  - [Int] _substractFees #
  - [Int] _sellAndDistributeAccumulatedTKNFee #
    - modifiers: swapping
  - [Pub] approve #
    - modifiers: whenNotPaused
  - [Pub] increaseApproval #
    - modifiers: whenNotPaused
  - [Pub] decreaseApproval #
    - modifiers: whenNotPaused
  - [Pub] burn #
    - modifiers: onlyOwner
  - [Pub] mint #
    - modifiers: onlyOwner
  - [Pub] forbidMint #
    - modifiers: onlyOwner
  - [Pub] setBlacklisted #
    - modifiers: onlyOwner
  - [Pub] setFeeExempt #
    - modifiers: onlyOwner

- [Pub] setFees #
  - modifiers: onlyOwner
- [Pub] setLiquifyThreshold #
  - modifiers: onlyOwner
- [Pub] setWalletPrizepool #
  - modifiers: onlyOwner
- [Pub] setWalletMarketing #
  - modifiers: onlyOwner
- [Pub] setRouter #
  - modifiers: onlyOwner
- [Pub] setPair #
  - modifiers: onlyOwner
- [Pub] <Constructor> #

($) = payable function
= non-constant function

Issues Checking Status

	Issue description	Checking status
1.	Compiler errors.	Passed
2.	Race conditions and Reentrancy. Cross-function race conditions.	Passed
3.	Possible delays in data delivery.	Passed
4.	Oracle calls.	Passed
5.	Front running.	Passed
6.	Timestamp dependence.	Passed
7.	Integer Overflow and Underflow.	Passed
8.	DoS with Revert.	Passed
9.	DoS with block gas limit.	Passed
10.	Methods execution permissions.	Passed
11.	Economy model of the contract.	Passed
12.	The impact of the exchange rate on the logic.	Passed
13.	Private user data leaks.	Passed
14.	Malicious Event log.	Passed
15.	Scoping and Declarations.	Passed
16.	Uninitialized storage pointers.	Passed
17.	Arithmetic accuracy.	Passed
18.	Design Logic.	Passed
19.	Cross-function race conditions.	Passed
20.	Safe Open Zeppelin contracts implementation and usage.	Passed
21.	Fallback function security.	Passed

Security Issues

High Severity Issues

No high severity issues found.

Medium Severity Issues

No medium severity issues found.

Low Severity Issues

No low severity issues found.

Owner privileges (In the period when the owner is not renounced)

- Owner can pause/unpause the contract.
- Owner can burn.
- Owner can mint before MINT_FORBIDDEN is set to true.
- Owner can forbid mint.
- Owner can blacklist addresses.
- Owner can exclude addresses from fees.
- Owner can change fees.
- Owner can change swap threshold.
- Owner can change prize pool and marketing wallets.
- Owner can change router and pair.

Conclusion

Smart contracts do not contain high severity issues! Liquidity pair contract's security is not checked due to out of scope.

Liquidity locking details provided by the team:
https://bscscan.com/tx/0x8be91544bb30e5f45250894bd1a790c1408bffed5de6fb757a1197952c9578ec

TechRate note:

Please check the disclaimer above and note, the audit makes no statements or warranties on business model, investment attractiveness or code sustainability. The report is provided for the only contract mentioned in the report and does not include any other potential contracts deployed by Owner.