



TechRate
AUDIT COMPANY

Smart Contract Security Audit

Audit Details



Audited project

My Defi Legends



Deployer address

0x02feb964d0a09c3cb4326ddea18cf8ad262a8ad0



Client contacts:

My Defi Legends team



Blockchain

Binance Smart Chain



Project website:

mydefilegends.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 My Defi Legends to perform an audit of smart contracts:

<https://bscscan.com/address/0x88c55b3255ae1e6628c953c5cdff27ad3cc33c81#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 23.08.2021

Contract name	My Defi Legends
Contract address	0x88c55B3255aE1e6628C953C5CDfF27Ad3Cc33C81
Total supply	246,499,968.98
Token ticker	DLegends
Decimals	9
Token holders	5,146
Transactions count	18,666
Top 100 holders dominance	88.08%
Contract deployer address	0x02feb964d0a09c3cb4326ddea18cf8ad262a8ad0
Contract's current owner address	0x02feb964d0a09c3cb4326ddea18cf8ad262a8ad0

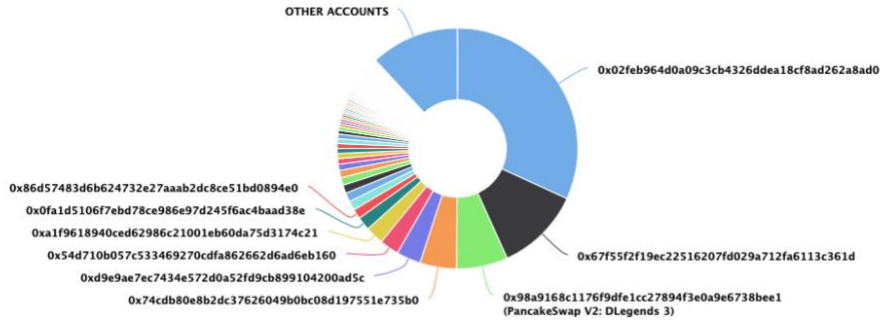
My Defi Legends Token Distribution

The top 100 holders collectively own 88.08% (217,118,828.49 Tokens) of My Defi Legends

Token Total Supply: 246,499,968.98 Token | Total Token Holders: 5,146

My Defi Legends Top 100 Token Holders

Source: BscScan.com



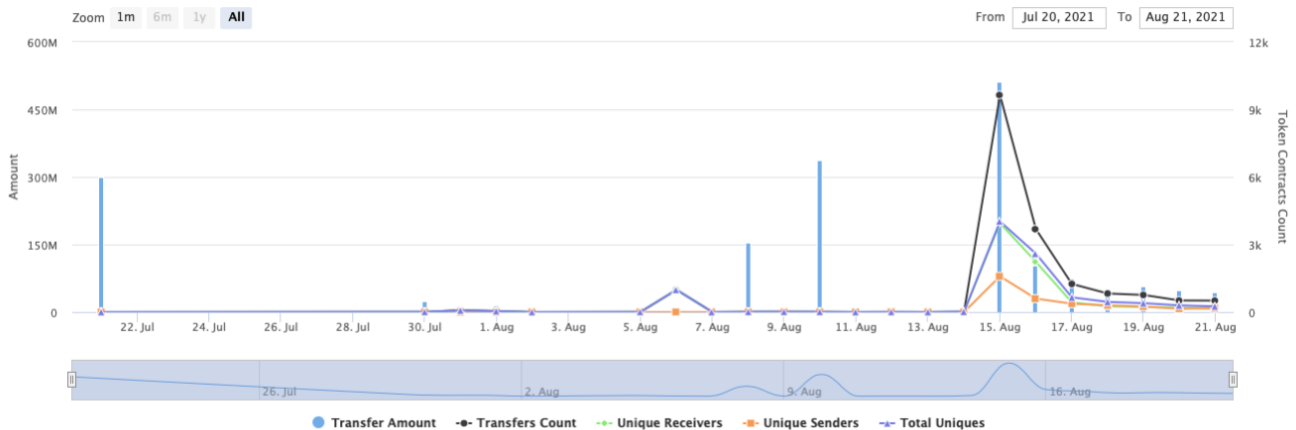
(A total of 217,118,828.49 tokens held by the top 100 accounts from the total supply of 246,499,968.98 token)

My Defi Legends Contract Interaction Details




Time Series: Token Contract Overview

Wed 21, Jul 2021 - Sat 21, Aug 2021

Token Contract 0x88c55b3255ae1e6628c953c5cdf27ad3cc33c81 (My Defi Legends)
Source: BscScan.com



My Defi Legends Top 10 Token Holders

Rank	Address	Quantity (Token)	Percentage
1	0x02feb964d0a09c3cb4326ddea18cf8ad262a8ad0	78,487,946.83	31.8410%
2	 0x67f55f2f19ec22516207fd029a712fa6113c361d	28,089,601	11.3954%
3	 PancakeSwap V2: DLegends 3	16,997,787.486066058	6.8957%
4	0x74cdb80e8b2dc37626049b0bc08d197551e735b0	12,177,272.093776893	4.9401%
5	0xd9e9ae7ec7434e572d0a52fd9cb899104200ad5c	8,028,421.778026311	3.2570%
6	 0x54d710b057c533469270cdfa862662d6ad6eb160	6,377,946.202165011	2.5874%
7	0xa1f9618940ced62986c21001eb60da75d3174c21	6,094,431.283032155	2.4724%
8	0x0fa1d5106f7ebd78ce986e97d245f6ac4baad38e	4,480,460.552967987	1.8176%
9	0x86d57483d6b624732e27aaab2dc8ce51bd0894e0	3,200,000	1.2982%
10	0x1d1c6b8061eb5a1e361dedac0b5126f9b5a655c6	3,085,922.414765734	1.2519%



Contract functions details

- + [Int] IERC20
 - [Ext] totalSupply
 - [Ext] balanceOf
 - [Ext] transfer #
 - [Ext] allowance
 - [Ext] approve #
 - [Ext] transferFrom #
- + Ownable
 - [Pub] <Constructor> #
 - [Pub] owner
 - [Pub] renounceOwnership #
 - modifiers: onlyOwner
 - [Pub] transferOwnership #
 - modifiers: onlyOwner
- + DLegends (IERC20, Ownable)
 - [Pub] <Constructor> #
 - [Pub] name
 - [Pub] symbol
 - [Pub] decimals
 - [Pub] totalSupply
 - [Pub] balanceOf
 - [Pub] transfer #
 - modifiers: launchRestrict
 - [Pub] approve #
 - [Pub] allowance
 - [Pub] transferFrom #
 - modifiers: launchRestrict
 - [Pub] boosterBuyingAllowance
 - [Pub] boosterBuyingAllowance
 - [Pub] allowBuyingBoosters #
 - [Pub] setSeedAndPresale #
 - modifiers: onlyOwner
 - [Pub] burn #
 - modifiers: ownerOrPresale
 - [Pub] setBotProtection #
 - modifiers: onlyOwner
 - [Pub] setRestrictionAmount #
 - modifiers: onlyOwner
 - [Pub] whitelistAccount #
 - modifiers: onlyOwner
- + DLegendsSeedAndPreSale (Ownable)
 - [Pub] <Constructor> #
 - [Pub] setStartTime #
 - modifiers: onlyOwner
 - [Ext] <Fallback> (\$)
 - [Pub] getState
 - [Pub] getSalesAtSeed
 - [Pub] getSalesAtPresale

- [Pub] buyTokens (\$)
- [Pub] closePreSale #
 - modifiers: onlyOwner

+ [Lib] SafeMath

- [Int] sub
- [Int] add

(\$) = 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.

Notes:

- `transferFrom()` function work as burn if `boosterBuyingAllowed[owner] == msg.sender`.

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

- Owner can change seed and presale address.
- Owner can set bot protection.
- Owner can change `maxRestrictionAmount`.
- Owner can whitelist accounts.
- Owner can change seed and presale address.

Conclusion

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

Liquidity locking details provided by the team:

https://dxsale.app/app/v2_9/dxlockview?id=2382&add=0&type=lpdefi&chain=BSC

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.