

Smart Contract Security Audit

AUDIT RATE TECH

for

Ever Impact



**Audit Rate
Tech**



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.

Audit details:

Audited project: Ever Impact

Total supply: 1,000,000,000,000,000

Token ticker: EIT

Decimals: 18

Contract address: 0x74F6b8B58caad2CF95816B28BeE89b6f41440Dd9

Languages: Solidity (Smart contract)

Platforms and Tools: Remix IDE, Truffle, Truffle Team, Ganache, Solhint, VScode, Mythril,

Contract Library

Compiler Version: v0.8.4+commit.c7e474f2

Optimization Enabled: Yes with 200 runs

Contract Deployer Address: 0x37f47a9A68fca23C4780C225afF3C3D45700d1EA

Blockchain: Binance Smart Chain

Project website: <https://www.everimpact.finance/>

The audit items and results:

(Other unknown security vulnerabilities are not included in the audit responsibility scope)

Audit Result: Passed

Audit Date: April 22, 2022

Audit Team: AUDIT RATE TECH

<https://www.auditrate.tech>

Introduction

This Audit Report mainly focuses on the overall security of Ever Impact Smart Contract. With this report, we have tried to ensure the reliability and correctness of their smart contract by complete and rigorous assessment of their system's architecture and the smart contract codebase.

Auditing Approach and Methodologies applied

The AUDIT RATE TECH team has performed rigorous testing of the project starting with analyzing the code design patterns in which we reviewed the smart contract architecture to ensure it is structured and safe use of third-party smart contracts and libraries.

Our team then performed a formal line by line inspection of the Smart Contract to find any potential issue like race conditions, transaction-ordering dependence, timestamp dependence, and denial of service attacks.

In the Unit testing Phase, we coded/conducted custom unit tests written for each function in the contract to verify that each function works as expected.

In Automated Testing, we tested the Smart Contract with our in-house developed tools to identify vulnerabilities and security flaws.

The code was tested in collaboration of our multiple team members and this included -

- Testing the functionality of the Smart Contract to determine proper logic has been followed throughout the whole process.
- Analyzing the complexity of the code in depth and detailed, manual review of the code, lineby-line.
- Deploying the code on testnet using multiple clients to run live tests.
- Analyzing failure preparations to check how the Smart Contract performs in case of any bugs and vulnerabilities.
- Checking whether all the libraries used in the code are on the latest version.
- Analyzing the security of the on-chain data.

Audit Goals

The focus of the audit was to verify that the Smart Contract System is secure, resilient and working according to the specifications. The audit activities can be grouped in the following three categories:

Security

Identifying security related issues within each contract and the system of contract.

Sound Architecture

Evaluation of the architecture of this system through the lens of established smart contract best practices and general software best practices.

Code Correctness and Quality

A full review of the contract source code. The primary areas of focus include:

- Accuracy
- Readability
- Sections of code with high complexity
- Quantity and quality of test coverage

Issue Categories

Every issue in this report was assigned a severity level from the following:

High level severity issues

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium level severity issues

Issues on this level could potentially bring problems and should eventually be fixed.

Low level severity issues

Issues on this level are minor details and warnings that can remain unfixed but would be better fixed at some point in the future.

Manual Audit:

For this section the code was tested/read line by line by our developers. We also used Remix IDE's JavaScript VM and Kovan networks to test the contract functionality.

Automated Audit

Remix Compiler Warnings

It throws warnings by Solidity's compiler. If it encounters any errors the contract cannot be compiled and deployed. No issues found.

Number of issues per severity

Critical	High	Medium	Low	Note
0	0	0	1	0

Issues Checking Status

No	Issue description.	Checking status
1	Compiler warnings.	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.	Low
10	Methods execution permissions.	Passed
11	Economy model.	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 Zeppelin module.	Passed
21	Fallback function security.	Passed

Owner privileges

366 renounceOwnership
371 transferOwnership
654 whitelistPreSale
661 prepareForPartnerOrExchangeListing
667 setEnabledTransferFee
676 setMaxWalletAmountRateDenominator1000
681 setExcludeFromMaxWallet
685 setEnableMaxWallet
698 setExcludedFromAntiWhale
702 setEnableAntiwhale
710 setMaxTransferAmountRate
715 updateToken2DividendToken
720 updateToken1DividendToken
725 updateMarketingWallet
730 updateBuybackWallet
735 updateCharityWallet
740 setSwapTokensAtAmount
744 setAuthOnDividends
749 setSwapEnabled
754 updateToken1DividendTracker
771 updateToken2DividendTracker
788 updateUniswapV2Router
794 excludeFromFees
800 excludeFromDividend
805 excludeMultipleAccountsFromFees
813 setAutomatedMarketMakerPair
819 _setAutomatedMarketMakerPair
831 updateGasForProcessing
837 updateMinimumBalanceForDividends
842 updateClaimWait
935 processDividendTracker
1204 burn
1248 distributeDividends
1382 setDividendTokenAddress
1386 updateMinimumTokenBalanceForDividends
1391 excludeFromDividends
1410 updateClaimWait
1498 setBalance
1562 processAccount
1608 setDividendTokenAddress
1612 updateMinimumTokenBalanceForDividends
1617 excludeFromDividends
1636 updateClaimWait
1724 setBalance
1788 processAccount

Authorized address privileges

1238 setAuth
1265 setDividendTokenAddress

Conclusion

Owner cannot set fees

No mint function found

Owner can set max tx amount > 0.1% of total supply

```
function setMaxTransferAmountRate(uint256 _maxTransferAmountRate) public onlyOwner {  
    require(_maxTransferAmountRate >= 10, "Max Transaction limit cannot be lower than 0.1% of total supply");  
    maxTransferAmountRate = _maxTransferAmountRate; }
```

Owner cannot pause trading

Smart contracts contains the following risks:

Out of gas

Issue:

`excludeMultipleAccountsFromFees()`

The function `excludeMultipleAccountsFromFees()` uses the loop to exclude multiple accounts from fees. Function will be aborted with `OUT_OF_GAS` exception if there will be a long addresses list.

Recommendation:

Check that the addresses array length is not too big.

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. The analysis of the contract does not give complete security and includes only the analysis that is indicated in the report. We do not analyze locked tokens or LP tokens, the presence of KYC in other companies, and so on. Also, our audit is not a recommendation for investment. All responsibility for the loss of investment lies with you!

Website Audit

Address	https://www.everimpact.finance/
Domain registration	1 years
Domain	Clean
Web server	Apache
The server is located	US
Server response time	0.77 sec
SSL certificate	Yes
JavaScript errors	Not found
Typos, or grammatical errors	Not found
Issues with loading elements, code, or stylesheets	Not found
Malware	Not found
Injected spam	Not found
Internal server errors	Not found
Popups	Not found
Blocking files	Not found
Mobile Friendly	Yes
Compress CSS files	Optimized
Compress JS files	Optimized
Image compression	Optimized
Visible content	Optimized
Social Media/contacts	Yes
Roadmap	Yes

Top Token Holders

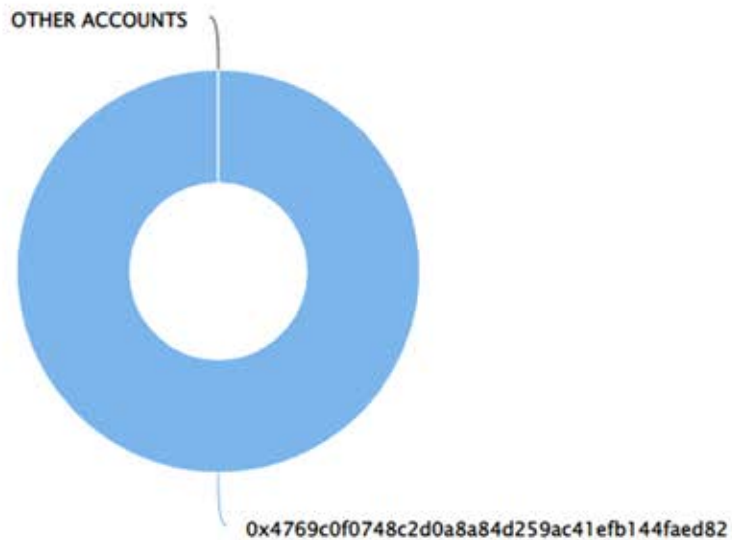
At the time of the audit

💡 The top 3 holders collectively own 100.00% (1,000,000,000,000,000.00 Tokens) of Ever Impact

💡 Token Total Supply: 1,000,000,000,000,000.00 Token | Total Token Holders: 1

Ever Impact Top 3 Token Holders

Source: BscScan.com



(A total of 1,000,000,000,000,000.00 tokens held by the top 3 accounts from the total supply of 1,000,000,000,000,000.00 token)

Rank	Address	Quantity (Token)	Percentage
1	0x4769c0f0748c2d0a8a84d259ac41efb144faed82	1,000,000,000,000,000	100.0000%

KYC/Doxx

At the time of the audit, there is no information about the conduct of KYC / Doxx

THANK YOU!