



Smart Contract Security Audit

TechRate
July, 2021

Audit Details



Audited project

EverCoom



Deployer address

0xb06f909Ff61fE9f6c13c02aD4970b93d0D1D3C40



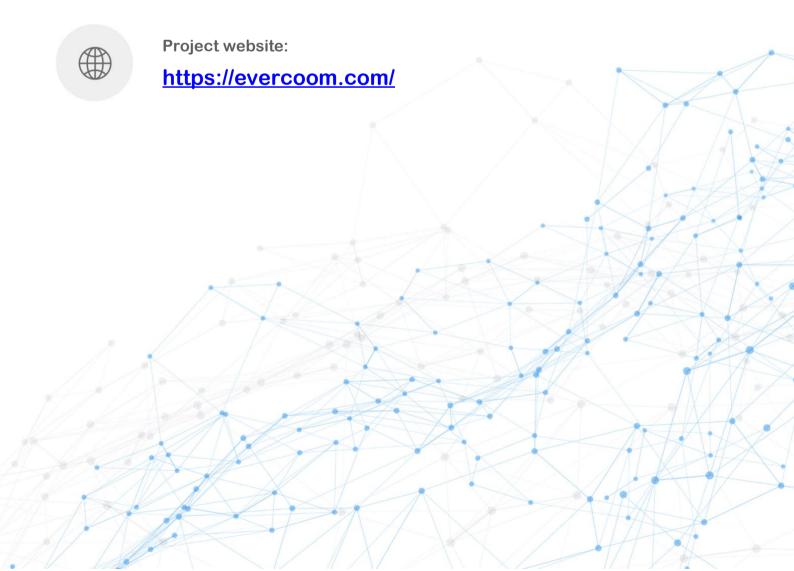
Client contacts:

EverCoom team



Blockchain

Binance Smart Chain



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.

DISCLAIMER: By reading this report or any part of it, you agree to the terms of this disclaimer. If you do not agree to the terms, then please immediately cease reading this report, and delete and destroy any and all copies of this report downloaded and/or printed by you. This report is provided for information purposes only and on a non-reliance basis, and does not constitute investment advice. No one shall have any right to rely on the report or its contents, and TechRate and its affiliates (including holding companies, shareholders, subsidiaries, employees, directors, officers and other representatives) (TechRate) owe no duty of care towards you or any other person, nor does TechRate make any warranty or representation to any person on the accuracy or completeness of the report. The report is provided "as is", without any conditions, warranties or other terms of any kind except as set out in this disclaimer, and TechRate hereby excludes all representations, warranties, conditions and other terms (including, without limitation, the warranties implied by law of satisfactory quality, fitness for purpose and the use of reasonable care and skill) which, but for this clause, might have effect in relation to the report. Except and only to the extent that it is prohibited by law, TechRate hereby excludes all liability and responsibility, and neither you nor any other person shall have any claim against TechRate, for any amount or kind of loss or damage that may result to you or any other person (including without limitation, any direct, indirect, special, punitive, consequential or pure economic loss or damages, or any loss of income, profits, goodwill, data, contracts, use of money, or business interruption, and whether in delict, tort (including without limitation negligence), contract, breach of statutory duty, misrepresentation (whether innocent or negligent) or otherwise under any claim of any nature whatsoever in any jurisdiction) in any way arising from or connected with this report and the use, inability to use or the results of use of this report, and any reliance on this report.

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 EverCoom to perform an audit of smart contracts:

https://bscscan.com/address/0x0354e384D0639C3743f0bD5E9fa5a E0dfeE8CAf9#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.

101000001

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.

THE RESERVE OF THE PARTY OF THE PARTY.

100 101 101 100 11

011001000100000

00001000110101

and the state of the state of

10111010001100000000111110110010101101

Contracts Details

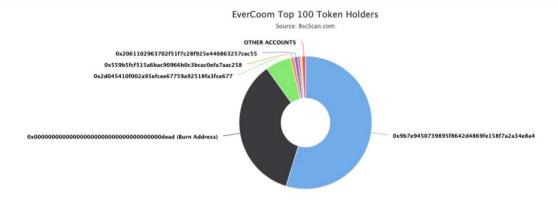
Token contract details for 08.07.2021

Contract name	EverCoom	
Contract address	0x0354e384D0639C3743f0bD5E9fa5aE0dfeE8CAf9	
Total supply	1,000,000,000,000	
Token ticker	COOM	
Decimals	9	
Token holders	8	
Transactions count	13	
Top 100 holders dominance	99.14%	
Liquidity fee	0	
Tax fee	0	
Total fees	3201603206412825651302	
Uniswap V2 pair	0xe4f6943ad6d74cafebbc15a3f67bd60d31b64334	
Contract deployer address	0xb06f909Ff61fE9f6c13c02aD4970b93d0D1D3C40	
Contract's current owner address	0xb06f909ff61fe9f6c13c02ad4970b93d0d1d3c40	

EverCoom Token Distribution



▼ Token Total Supply: 1,000,000,000,000,000.00 Token I Total Token Holders: 8



(A total of 991,438,672,540,818.00 tokens held by the top 100 accounts from the total supply of 1,000,000,000,000,000,000 token)

EverCoom Contract Interaction Details



EverCoom Top 10 Token Holders

Rank	Address	Quantity (Token)	Percentage
1		547,456,000,000,001	54.7456%
2	Burn Address	353,543,999,999,999	35.3544%
3		62,474,929,803,449.659045327	6.2475%
4	0x559b5fcf515a6bac90966b0c3bcac0efa7aac258	9,060,181,312,797.882891624	0.9060%
5	0x2061102963702f51f7c28f925e440863257cec55	8,903,561,424,569.827931172	0.8904%
6	0x11f1fc80e047a893af016baf8cf0c17e36a5de69	5,000,000,000,000	0.5000%
7	0x25c9e338d281ecc27a0c3e333d2e640f423d2ed2	4,000,000,000,000	0.4000%
8	0xeb26416484e2b935a62249c80c13380b1533bec1	1,000,000,000,000	0.1000%



Contract functions details

+ Context - [Int] _msgSender - [Int] msgData + [Int] IERC20 - [Ext] totalSupply - [Ext] balanceOf - [Ext] transfer # - [Ext] allowance - [Ext] approve # - [Ext] transferFrom # + [Lib] SafeMath - [Int] add - [Int] sub - [Int] sub - [Int] mul - [Int] div - [Int] div - [Int] mod - [Int] mod + [Lib] Address - [Int] isContract - [Int] sendValue # - [Int] functionCall # - [Int] functionCall # - [Int] functionCallWithValue # - [Int] functionCallWithValue # - [Prv] functionCallWithValue # + Ownable (Context) - [Pub] <Constructor> # - [Pub] owner - [Pub] renounceOwnership # - modifiers: onlyOwner - [Pub] transferOwnership # - modifiers: onlyOwner - [Pub] getUnlockTime - [Pub] getTime - [Pub] lock # - modifiers: onlyOwner - [Pub] unlock # + [Int] IUniswapV2Factory - [Ext] feeTo - [Ext] feeToSetter - [Ext] getPair - [Ext] allPairs - [Ext] allPairsLength

- [Ext] createPair #

```
- [Ext] setFeeTo #
- [Ext] setFeeToSetter #
+ [Int] IUniswapV2Pair
- [Ext] name
- [Ext] symbol
- [Ext] decimals
```

- [Ext] totalSupply- [Ext] balanceOf

- [Ext] allowance

- [Ext] approve #

- [Ext] transfer #

- [Ext] transferFrom #

- [Ext] DOMAIN_SEPARATOR

- [Ext] PERMIT_TYPEHASH

- [Ext] nonces

- [Ext] permit#

- [Ext] MINIMUM_LIQUIDITY

- [Ext] factory

- [Ext] token0

- [Ext] token1

- [Ext] getReserves

- [Ext] price0CumulativeLast

- [Ext] price1CumulativeLast

- [Ext] kLast

- [Ext] burn #

- [Ext] swap #

- [Ext] skim #

- [Ext] sync #

- [Ext] initialize #

+ [Int] IUniswapV2Router01

- [Ext] factory

- [Ext] WETH

- [Ext] addLiquidity #

- [Ext] addLiquidityETH (\$)

- [Ext] removeLiquidity #

- [Ext] removeLiquidityETH #

- [Ext] removeLiquidityWithPermit#

- [Ext] removeLiquidityETHWithPermit #- [Ext] swapExactTokensForTokens #

- [Ext] swapTokensForExactTokens#

- [Ext] swapExactETHForTokens (\$)

- [Ext] swapTokensForExactETH #

- [Ext] swapExactTokensForETH #

- [Ext] swapETHForExactTokens (\$)

- [Ext] quote

- [Ext] getAmountOut

- [Ext] getAmountIn

- [Ext] getAmountsOut

- [Ext] getAmountsIn

+ [Int] IUniswapV2Router02 (IUniswapV2Router01)

- [Ext] removeLiquidityETHSupportingFeeOnTransferTokens #

- [Ext] removeLiquidityETHWithPermitSupportingFeeOnTransferTokens #

- [Ext] swapExactTokensForTokensSupportingFeeOnTransferTokens #
- [Ext] swapExactETHForTokensSupportingFeeOnTransferTokens (\$)
- [Ext] swapExactTokensForETHSupportingFeeOnTransferTokens #
- + EverCoom (Context, IERC20, Ownable)
 - [Pub] <Constructor> #
 - [Pub] name
 - [Pub] symbol
 - [Pub] decimals
 - [Pub] totalSupply
 - [Pub] balanceOf
 - [Pub] transfer #
 - [Pub] allowance
 - [Pub] approve #

 - [Pub] transferFrom #
 - [Pub] increaseAllowance #
 - [Pub] decreaseAllowance #
 - [Pub] isExcludedFromReward
 - [Pub] totalFees
 - [Pub] minimumTokensBeforeSwapAmount
 - [Pub] buyBackUpperLimitAmount
 - [Pub] deliver #
 - [Pub] reflectionFromToken
 - [Pub] tokenFromReflection
 - [Pub] excludeFromReward #
 - modifiers: onlyOwner
 - [Ext] includeInReward #
 - modifiers: onlyOwner
 - [Prv] approve #
 - [Prv] transfer #
 - [Prv] swapTokens #
 - modifiers: lockTheSwap
 - [Prv] buyBackTokens #
 - modifiers: lockTheSwap
 - [Prv] swapTokensForEth #
 - [Prv] swapETHForTokens #
 - [Prv] addLiquidity #
 - [Prv] tokenTransfer #
 - [Prv] _transferStandard #
 - [Prv] _transferToExcluded #
 - [Prv] _transferFromExcluded #
 - [Prv] transferBothExcluded #
 - [Prv] _reflectFee #
 - [Prv] _getValues
 - [Prv] _getTValues
 - [Prv] getRValues
 - [Prv] _getRate
 - [Prv] getCurrentSupply
 - [Prv] _takeLiquidity #
 - [Prv] calculateTaxFee
 - [Prv] calculateLiquidityFee
 - [Prv] removeAllFee #
 - [Prv] restoreAllFee #
 - [Pub] isExcludedFromFee
 - [Pub] excludeFromFee #

- modifiers: onlyOwner
- [Pub] includeInFee #
 - modifiers: onlyOwner
- [Ext] setTaxFeePercent#
 - modifiers: onlyOwner
- [Ext] setLiquidityFeePercent #
 - modifiers: onlyOwner
- [Ext] setMaxTxAmount #
 - modifiers: onlyOwner
- [Ext] setMarketingDivisor #
 - modifiers: onlyOwner
- [Ext] setNumTokensSellToAddToLiquidity #
 - modifiers: onlyOwner
- [Ext] setBuybackUpperLimit #
 - modifiers: onlyOwner
- [Ext] setMarketingAddress #
 - modifiers: onlyOwner
- [Pub] setSwapAndLiquifyEnabled #
 - modifiers: onlyOwner
- [Pub] setBuyBackEnabled #
 - modifiers: onlyOwner
- [Ext] prepareForPreSale #
 - modifiers: onlyOwner
- [Ext] afterPreSale #
 - modifiers: onlyOwner
- [Prv] transferToAddressETH #
- [Ext] <Fallback> (\$)

(\$) = 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.	Low issues
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
 - 1. Out of gas

Issue:

 The function includeInReward() uses the loop to find and remove addresses from the _excluded list. Function will be aborted with OUT_OF_GAS exception if there will be a long excluded addresses list.

 The function _getCurrentSupply also uses the loop for evaluating total supply. It also could be aborted with OUT_OF_GAS exception if there will be a long excluded addresses list.

Recommendation:

Check that the excluded array length is not too big.

Notes:

• addLiquidity function is not used.

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

Owner can change tax and liquidity fees.

Owner can change maximum transaction amount.

```
ftrace|funcSig
function setMaxTxAmount(uint256 maxTxAmount 1) external onlyOwner() {
    _maxTxAmount = maxTxAmount 1;
}
```

• Owner can exclude from the fee.

```
function excludeFromFee(address account1) public onlyOwner {
    _isExcludedFromFee[account1] = true;
}
```

Owner can change marketingDivisor.

```
ftrace|funcSig
function setMarketingDivisor(uint256 divisor) external onlyOwner() {
    marketingDivisor = divisor);
}
```

Owner can change minimum number of tokens to add to liquidity.

```
ftrace|funcSig
function setNumTokensSellToAddToLiquidity(uint256 _minimumTokensBeforeSwap 1) external onlyOwner() {
    minimumTokensBeforeSwap = _minimumTokensBeforeSwap 1;
}
```

Owner can change buyBackUpperLimit.

```
ftrace|funcSig
function setBuybackUpperLimit(uint256 buyBackLimit ) external onlyOwner() {
   buyBackUpperLimit = buyBackLimit * 10**18;
}
```

Owner can change marketing address.

```
ftrace|funcSig
function setMarketingAddress(address _marketingAddress  ) external onlyOwner() {
    marketingAddress = payable(_marketingAddress  );
}
```

Owner can enable and disable buyBack.

```
ftrace|funcSig
function setBuyBackEnabled(bool _enabled ) public onlyOwner {
   buyBackEnabled = _enabled ;
   emit BuyBackEnabledUpdated(_enabled );
}
```

Owner can enable before and after presale modes.

```
ftrace | funcSig
function prepareForPreSale() external onlyOwner {
    setSwapAndLiquifyEnabled(false);
    LaxFee = 0;
    LiquidityFee = 0;
    maxTxAmount = 10000000000 * 10**6 * 10**9;
}

ftrace | funcSig
function afterPreSale() external onlyOwner {
    setSwapAndLiquifyEnabled(true);
    LaxFee = 2;
    LiquidityFee = 9;
    maxTxAmount = 3000000 * 10**6 * 10**9;
}
```

 Owner can lock and unlock. By the way, using these functions the owner could retake privileges even after the ownership was renounced.

Conclusion

Smart contracts contain low severity issues! Liquidity pair contract's security is not checked due to out of scope. marketing Divizor part of the liquidity goes to marketing address. The further transfers and operations with the funds raise are not related to this particular contract.

Liquidity locking details provided by the team:

team wallet locked

https://dxsale.app/app/v2 9/dxlockview?id=0&add=0x15A40dB4f08 E07d37d43747845C619972721B335&type=tokenlock&chain=BSC

https://dxsale.app/app/v2 9/defipresale?saleID=328&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.

