



SMART CONTRACT AUDIT REPORT

For

Food Bank (Food)

<https://foodbankcrypto.org/>

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Prepared for: Food Bank team

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- **Disclaimer**

This is a limited report on our findings based on our analysis, in accordance with good industry practice as of 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 the team on the basis of what it says or doesn't say, or how team produced it, and it is important for you to conduct your own independent investigations before making any decisions. team go into more detail on this in the below disclaimer below – please make sure to read it in full.

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- **Overview of the audit**

The project has 1 file. It contains approx 861 lines of Solidity code. Most of the functions and state variables are well commented on using the Nat spec documentation, but that does not create any vulnerability.

- **Attacks made to the contract**

In order to check for the security of the contract, we tested several attacks in order to make sure that the contract is secure and follows best practices automatically.

1. Unit tests passing.
2. Compiler warnings;
3. Race Conditions. Reentrancy. Cross-function Race Conditions. Pitfalls in Race Condition solutions;
4. Possible delays in data delivery;
5. Transaction-Ordering Dependence (front running);
6. Timestamp Dependence;
7. Integer Overflow and Underflow;
8. DoS with (unexpected) Revert;
9. DoS with Block Gas Limit

10. Call Depth Attack. Not relevant in modern ethereum network

11. Methods execution permissions;

12. Oracles calls;

13. Economy model. It's important to forecast scenarios when a user is provided with additional economic motivation or faced with limitations. If application logic is based on incorrect economy model, the application will not function correctly and participants will incur financial losses. This type of issue is most often found in bonus rewards systems.

14. The impact of the exchange rate on the logic;

15. Private user data leaks.

- **Good things in smart contract**

- **Compiler version is static: -**

- => In this file, you have put “pragma solidity 0.6.12;” which is a good way to define the compiler version.

```
pragma solidity 0.6.12;
```

- **SafeMath library: -**

Food Bank is using SafeMath library it is a good thing. It protects the contract from overflow and underflow.

```
library SafeMath {

    function add(uint256 a, uint256 b) internal pure returns (uint256) {
        uint256 c = a + b;
        require(c >= a, "SafeMath: addition overflow");

        return c;
    }

    function sub(uint256 a, uint256 b) internal pure returns (uint256) {
        return sub(a, b, "SafeMath: subtraction overflow");
    }

    function sub(uint256 a, uint256 b, string memory errorMessage) internal pure
returns (uint256) {
        require(b <= a, errorMessage);
        uint256 c = a - b;

        return c;
    }

    function mul(uint256 a, uint256 b) internal pure returns (uint256) {

        if (a == 0) {
            return 0;
        }

        uint256 c = a * b;
        require(c / a == b, "SafeMath: multiplication overflow");

        return c;
    }

    function div(uint256 a, uint256 b) internal pure returns (uint256) {
        return div(a, b, "SafeMath: division by zero");
    }
}
```

```

function div(uint256 a, uint256 b, string memory errorMessage) internal pure
returns (uint256) {
    require(b > 0, errorMessage);
    uint256 c = a / b;

    return c;
}

function mod(uint256 a, uint256 b) internal pure returns (uint256) {
    return mod(a, b, "SafeMath: modulo by zero");
}

function mod(uint256 a, uint256 b, string memory errorMessage) internal pure
returns (uint256) {
    require(b != 0, errorMessage);
    return a % b;
}
}

```

- **Ownable library :-**

- Here you Food Bank using ownable library, Initializes the contract setting the deployer as the initial owner

```

contract Ownable is Context {
    address private _owner;
    address private _previousOwner;
    uint256 private _lockTime;

    event OwnershipTransferred(address indexed previousOwner, address indexed
newOwner);

    constructor () internal {
        address msgSender = _msgSender();
        _owner = msgSender;
        emit OwnershipTransferred(address(0), msgSender);
    }

    function owner() public view returns (address) {
        return _owner;
    }

    modifier onlyOwner() {
        require(_owner == _msgSender(), "Ownable: caller is not the owner");
        _;
    }

    function renounceOwnership() public virtual onlyOwner {
        emit OwnershipTransferred(_owner, address(0));
        _owner = address(0);
    }

    function transferOwnership(address newOwner) public virtual onlyOwner {
        require(newOwner != address(0), "Ownable: new owner is the zero address");
    }
}

```

```

emit OwnershipTransferred(_owner, newOwner);
    _owner = newOwner;
}

function geUnlockTime() public view returns (uint256) {
    return _lockTime;
}

function lock(uint256 time) public virtual onlyOwner {
    _previousOwner = _owner;
    _owner = address(0);
    _lockTime = now + time;
    emit OwnershipTransferred(_owner, address(0));
}

function unlock() public virtual {
    require(_previousOwner == msg.sender, "You don't have permission to
unlock");
    require(now > _lockTime , "Contract is locked until 7 days");
    emit OwnershipTransferred(_owner, _previousOwner);
    _owner = _previousOwner;
}
}

```

- Here you Food Bank using IUNiswap Interfaces libraries (IUNiswap Factory, IUNiswap Router, and IUniswap Pair)

```

interface IUniswapV2Factory {
    event PairCreated(address indexed token0, address indexed token1, address pair,
unit);
}
interface IUniswapV2Pair {
    event Approval(address indexed owner, address indexed spender, uint value);
    event Transfer(address indexed from, address indexed to, uint value);
}

interface IUniswapV2Router01 {
    function factory() external pure returns (address);
    function WETH() external pure returns (address);
}

```


- o **Critical vulnerabilities found in the contract**

There are no Critical severity vulnerabilities found

- o **High vulnerabilities found in the contract**

There are no High severity vulnerabilities found

- o **Medium vulnerabilities found in the contract**

There are no Medium severity vulnerabilities found

- o **Low vulnerabilities found in the contract**

There are no Low severity vulnerabilities found

- o **V. Low vulnerabilities found in the contract**

Block timestamp:

```
function swapTokensForEth(uint256 tokenAmount) private {  
    address[] memory path = new address[](2);  
    path[0] = address(this);  
    path[1] = uniswapV2Router.WETH();  
  
    _approve(address(this), address(uniswapV2Router), tokenAmount);  
  
    uniswapV2Router.swapExactTokensForETHSupportingFeeOnTransferTokens(  
        tokenAmount,  
        0,  
        path,  
        address(this),  
        block.timestamp  
    );  
}  
  
function addLiquidity(uint256 tokenAmount, uint256 ethAmount) private {  
    _approve(address(this), address(uniswapV2Router), tokenAmount);
```

```

        uniswapV2Router.addLiquidityETH{value: ethAmount} (
            address(this),
            tokenAmount,
            0,
            0,
            owner(),
            block.timestamp
        );
    }
}

```

In detail

Use of "block.timestamp": "block.timestamp" can be influenced by miners to a certain degree.

That means that a miner can "choose" the block.timestamp, to a certain degree, to change the outcome of a transaction in the mined block.

o Notes

#ERC20:

```
function decimals() external view returns (uint8);
```

In detail

ERC20 contract's "decimals" function should have "uint8" as return type

#Gas Costs:

```

function renounceOwnership() public virtual onlyOwner {
    emit OwnershipTransferred(_owner, address(0));
    _owner = address(0);
}

```

In detail

Gas requirement of function FoodBank.renounceOwnership is infinite: If the gas requirement of a function is higher than the block gas limit, it cannot be executed Please avoid loops in your functions or actions that modify large areas of storage

(This includes clearing or copying arrays in storage)

Testing proves:

1- Check for security

c9441e5a0d2bb841f296bc31e03eebd6e32b2933f5116de6503538e6fe2904...

File: Food Ba... | Language: solidity | Size: 31468 bytes | Date: 2021-12-12T10:48:45.720Z

Critical	High	Medium	Low	Note
0	0	0	0	2

✓

2- SOLIDITY STATIC ANALYSIS

SOLIDITY STATIC ANALYSIS

☒ Select all ☒ Autorun Run

Security

☒ Select Security

- ☒ Transaction origin: 'tx.origin' used
- ☒ Check-effects-interaction: Potential reentrancy bugs
- ☒ Inline assembly: Inline assembly used
- ☒ Block timestamp: Can be influenced by miners
- ☒ Low level calls: Should only be used by experienced devs
- ☒ Block hash: Can be influenced by miners
- ☒ Selfdestruct: Contracts using destructured contract can be broken

Gas & Economy

☒ Select Gas & Economy

- ☒ Gas costs: Too high gas requirement of functions
- ☒ This on local calls: Invocation of local functions via 'this'
- ☒ Delete dynamic array: Use require/assert to ensure complete deletion
- ☒ For loop over dynamic array: Iterations depend on dynamic array's size
- ☒ Ether transfer in loop: Transferring Ether in a for/while/do-while loop

SOLIDITY STATIC ANALYSIS

ERC

☒ Select ERC

- ☒ ERC20: 'decimals' should be 'uint8'

Miscellaneous

☒ Select Miscellaneous

- ☒ Constant/View/Pure functions: Potentially constant/view/pure functions
- ☒ Similar variable names: Variable names are too similar
- ☒ No return: Function with 'returns' not returning
- ☒ Guard conditions: Ensure appropriate use of require/assert
- ☒ Result not used: The result of an operation not used
- ☒ String length: Bytes length != String length
- ☒ Delete from dynamic array: 'delete' leaves a gap in array
- ☒ Data truncated: Division on int/uint values truncates the result

3- Inheritance graph



4- SOLIDITY UNIT TESTING CODE & RESULTS

```
// SPDX-License-Identifier: GPL-3.0

pragma solidity >=0.4.22 <0.9.0;

// This import is automatically injected by Truffle
import "Truffle_tests.sol";

// This import is required to use custom transaction context
// Although it may fail compilation in 'Solidity Compiler' plugin

import "Truffle_accounts.sol";
import "../Food Bank Token.sol";

// File name has to end with '_test.sol', this file can contain more than one
testSuite contracts
contract testSuite {

    /// 'beforeAll' runs before all other tests
    /// More special functions are: 'beforeEach', 'beforeAll', 'afterEach' &
    'afterAll'
    function beforeAll() public {
        // <instantiate contract>
        Assert.equal(uint(1), uint(1), "1 should be equal to 1");
    }

    function checkSuccess() public {
        // Use 'Assert' methods:
        Assert.ok(2 == 2, 'should be true');
        Assert.greaterThan(uint(2), uint(1), "2 should be greater than to 1");
        Assert.lessThan(uint(2), uint(3), "2 should be lesser than to 3");
    }

    function checkSuccess2() public pure returns (bool) {
        // Use the return value (true or false) to test the contract
        return true;
    }

    function checkFailure() public {
        Assert.notEqual(uint(1), uint(2), "1 should not be equal to 1");
    }

    /// #sender: account-1
    /// #value: 100
    function checkSenderAndValue() public payable {
        // account index varies 0-9, value is in wei
        Assert.equal(msg.sender, TestsAccounts.getAccount(1), "Invalid sender");
        Assert.equal(msg.value, 100, "Invalid value");
    }
}
```

SOLIDITY UNIT TESTING



Test your smart contract in Solidity.

Select directory to load and generate test files.

Test directory:

CreateGenerateHow to use... Run Stop

☒ Select all

☒ tests/Food Bank Token_test.sol

Progress: 1 finished (of 1)

**testSuite (tests/Food Bank
Token_test.sol)**

✓ Before all



✓ Check success



✓ Check success2



✓ Check failure



✓ Check sender and value



**Result for tests/Food Bank
Token_test.sol**

Passing: 5

Total time: 2.50s

5- Call graph



[illegible]

Function Signature

```
11902160 => _getTValues(uint256)
16279055 => isContract(address)
39509351 => increaseAllowance(address,uint256)
75128141 => calculateTaxFee(uint256)
18160ddd => totalSupply()
70a08231 => balanceOf(address)
a9059cbb => transfer(address,uint256)
dd62ed3e => allowance(address,address)
095ea7b3 => approve(address,uint256)
23b872dd => transferFrom(address,address,uint256)
771602f7 => add(uint256,uint256)
b67d77c5 => sub(uint256,uint256)
e31bdc0a => sub(uint256,uint256,string)
c8a4ac9c => mul(uint256,uint256)
a391c15b => div(uint256,uint256)
b745d336 => div(uint256,uint256,string)
f43f523a => mod(uint256,uint256)
71af23e8 => mod(uint256,uint256,string)
119df25f => _msgSender()
8b49d47e => _msgData()
24a084df => sendValue(address,uint256)
a0b5ffb0 => functionCall(address,bytes)
241b5886 => functionCall(address,bytes,string)
2a011594 => functionCallWithValue(address,bytes,uint256)
d525ab8a => functionCallWithValue(address,bytes,uint256,string)
36455e42 => _functionCallWithValue(address,bytes,uint256,string)
8da5cb5b => owner()
715018a6 => renounceOwnership()
f2fde38b => transferOwnership(address)
b6c52324 => geUnlockTime()
dd467064 => lock(uint256)
a69df4b5 => unlock()
017e7e58 => feeTo()
094b7415 => feeToSetter()
e6a43905 => getPair(address,address)
1e3dd18b => allPairs(uint256)
574f2ba3 => allPairsLength()
c9c65396 => createPair(address,address)
f46901ed => setFeeTo(address)
a2e74af6 => setFeeToSetter(address)
06fdde03 => name()
95d89b41 => symbol()
313ce567 => decimals()
3644e515 => DOMAIN_SEPARATOR()
30adf81f => PERMIT_TYPEHASH()
7ecebe00 => nonces(address)
d505accf => permit(address,address,uint256,uint256,uint8,bytes32,bytes32)
ba9a7a56 => MINIMUM_LIQUIDITY()
c45a0155 => factory()
0dfe1681 => token0()
d21220a7 => token1()
0902f1ac => getReserves()
5909c0d5 => price0CumulativeLast()
5a3d5493 => price1CumulativeLast()
7464fc3d => kLast()
6a627842 => mint(address)
```



```

89afcb44 => burn(address)
022c0d9f => swap(uint256,uint256,address,bytes)
bc25cf77 => skim(address)
fff6cae9 => sync()
485cc955 => initialize(address,address)
ad5c4648 => WETH()
e8e33700 =>
addLiquidity(address,address,uint256,uint256,uint256,uint256,address,uint256)
f305d719 => addLiquidityETH(address,uint256,uint256,uint256,address,uint256)
baa2abde =>
removeLiquidity(address,address,uint256,uint256,uint256,address,uint256)
02751cec => removeLiquidityETH(address,uint256,uint256,uint256,address,uint256)
2195995c =>
removeLiquidityWithPermit(address,address,uint256,uint256,uint256,address,uint256,bool,uint8,bytes32,bytes32)
ded9382a =>
removeLiquidityETHWithPermit(address,uint256,uint256,uint256,address,uint256,bool,uint8,bytes32,bytes32)
38ed1739 => swapExactTokensForTokens(uint256,uint256,address[],address,uint256)
8803dbee => swapTokensForExactTokens(uint256,uint256,address[],address,uint256)
7ff36ab5 => swapExactETHForTokens(uint256,address[],address,uint256)
4a25d94a => swapTokensForExactETH(uint256,uint256,address[],address,uint256)
18cbafe5 => swapExactTokensForETH(uint256,uint256,address[],address,uint256)
fb3bdb41 => swapETHForExactTokens(uint256,address[],address,uint256)
ad615dec => quote(uint256,uint256,uint256)
054d50d4 => getAmountOut(uint256,uint256,uint256)
85f8c259 => getAmountIn(uint256,uint256,uint256)
d06ca61f => getAmountsOut(uint256,address[])
1f00ca74 => getAmountsIn(uint256,address[])
af2979eb =>
removeLiquidityETHSupportingFeeOnTransferTokens(address,uint256,uint256,uint256,address,uint256)
5b0d5984 =>
removeLiquidityETHWithPermitSupportingFeeOnTransferTokens(address,uint256,uint256,uint256,address,uint256,bool,uint8,bytes32,bytes32)
5c11d795 =>
swapExactTokensForTokensSupportingFeeOnTransferTokens(uint256,uint256,address[],address,uint256)
b6f9de95 =>
swapExactETHForTokensSupportingFeeOnTransferTokens(uint256,address[],address,uint256)
791ac947 =>
swapExactTokensForETHSupportingFeeOnTransferTokens(uint256,uint256,address[],address,uint256)
a457c2d7 => decreaseAllowance(address,uint256)
88f82020 => isExcludedFromReward(address)
13114a9d => totalFees()
3bd5d173 => deliver(uint256)
4549b039 => reflectionFromToken(uint256,bool)
2d838119 => tokenFromReflection(uint256)
52390c02 => excludeFromReward(address)
3685d419 => includeInReward(address)
6ff6cdf4 => _transferBothExcluded(address,address,uint256)
437823ec => excludeFromFee(address)
ea2f0b37 => includeInFee(address)
6fcba377 => setFees(uint256,uint256,uint256,uint256)
d543dbeb => setMaxTxPercent(uint256)
c49b9a80 => setSwapAndLiquifyEnabled(bool)
184d894e => _reflectFee(uint256,uint256)

```

```
d4780e36 => _getValues(uint256)
1d5671e4 => _getRValues(uint256,uint256,uint256,uint256)
94e10784 => _getRate()
97a9d560 => _getCurrentSupply()
c432df5e => _takeLiquidity(uint256)
cc126a23 => calculateLiquidityFee(uint256)
301370af => removeAllFee()
e7e3e3a7 => restoreAllFee()
5342acb4 => isExcludedFromFee(address)
104e81ff => _approve(address,address,uint256)
30e0789e => _transfer(address,address,uint256)
173865ad => swapAndLiquify(uint256)
b28805f4 => swapTokensForEth(uint256)
9cd441da => addLiquidity(uint256,uint256)
b09bbc79 => _tokenTransfer(address,address,uint256,bool)
2852df65 => _transferStandard(address,address,uint256)
16f1cc83 => _transferToExcluded(address,address,uint256)
c7d9be66 => _transferFromExcluded(address,address,uint256)
```

• Automatic general report

files Description Table

File Name	SHA-1 Hash
/Users/macbook/Desktop/smart contracts/Food Bank Token.sol	fe06aea14a1ba0a6bf28fd5a60d0f3a89cd6850c

Contracts Description Table

Contract	Type	Bases		
:-----:-----:-----:-----:-----				
L	**Function Name**	**Visibility**	**Mutability**	
Modifiers				
IERC20	Interface			
L totalSupply	External	!	NO!	
L balanceOf	External	!	NO!	
L transfer	External	!	NO!	
L allowance	External	!	NO!	
L approve	External	!	NO!	
L transferFrom	External	!	NO!	
SafeMath	Library			
L add	Internal	🔒		
L sub	Internal	🔒		
L sub	Internal	🔒		
L mul	Internal	🔒		
L div	Internal	🔒		
L div	Internal	🔒		
L mod	Internal	🔒		
L mod	Internal	🔒		
Context	Implementation			
L _msgSender	Internal	🔒		
L _msgData	Internal	🔒		
Address	Library			
L isContract	Internal	🔒		
L sendValue	Internal	🔒		
L functionCall	Internal	🔒		
L functionCall	Internal	🔒		
L functionCallWithValue	Internal	🔒		
L functionCallWithValue	Internal	🔒		
L _functionCallWithValue	Private	🔒		
Ownable	Implementation	Context		
L <Constructor>	Internal	🔒		
L owner	Public	!	NO!	
L renounceOwnership	Public	!		onlyOwner
L transferOwnership	Public	!		onlyOwner
L geUnlockTime	Public	!	NO!	
L lock	Public	!		onlyOwner

```







| L | unlock | Public ! |  | NO! |
| | | |
| **IUniswapV2Factory** | Interface | | |
| L | feeTo | External ! |  | NO! |
| L | feeToSetter | External ! |  | NO! |
| L | getPair | External ! |  | NO! |
| L | allPairs | External ! |  | NO! |
| L | allPairsLength | External ! |  | NO! |
| L | createPair | External ! |  | NO! |
| L | setFeeTo | External ! |  | NO! |
| L | setFeeToSetter | External ! |  | NO! |
| | | |
| **IUniswapV2Pair** | Interface | | |
| L | name | External ! |  | NO! |
| L | symbol | External ! |  | NO! |
| L | decimals | External ! |  | NO! |
| L | totalSupply | External ! |  | NO! |
| L | balanceOf | External ! |  | NO! |
| L | allowance | External ! |  | NO! |
| L | approve | External ! |  | NO! |
| L | transfer | External ! |  | NO! |
| L | transferFrom | External ! |  | NO! |
| L | DOMAIN_SEPARATOR | External ! |  | NO! |
| L | PERMIT_TYPEHASH | External ! |  | NO! |
| L | nonces | External ! |  | NO! |
| L | permit | External ! |  | NO! |
| L | MINIMUM_LIQUIDITY | External ! |  | NO! |
| L | factory | External ! |  | NO! |
| L | token0 | External ! |  | NO! |
| L | token1 | External ! |  | NO! |
| L | getReserves | External ! |  | NO! |
| L | price0CumulativeLast | External ! |  | NO! |
| L | price1CumulativeLast | External ! |  | NO! |
| L | kLast | External ! |  | NO! |
| L | mint | External ! |  | NO! |
| L | burn | External ! |  | NO! |
| L | swap | External ! |  | NO! |
| L | skim | External ! |  | NO! |
| L | sync | External ! |  | NO! |
| L | initialize | External ! |  | NO! |
| | | |
| **IUniswapV2Router01** | Interface | | |
| L | factory | External ! |  | NO! |
| L | WETH | External ! |  | NO! |
| L | addLiquidity | External ! |  | NO! |
| L | addLiquidityETH | External ! |  | NO! |
| L | removeLiquidity | External ! |  | NO! |
| L | removeLiquidityETH | External ! |  | NO! |
| L | removeLiquidityWithPermit | External ! |  | NO! |
| L | removeLiquidityETHWithPermit | External ! |  | NO! |
| L | swapExactTokensForTokens | External ! |  | NO! |
| L | swapTokensForExactTokens | External ! |  | NO! |
| L | swapExactETHForTokens | External ! |  | NO! |
| L | swapTokensForExactETH | External ! |  | NO! |
| L | swapExactTokensForETH | External ! |  | NO! |
| L | swapETHForExactTokens | External ! |  | NO! |
| L | quote | External ! |  | NO! |
| L | getAmountOut | External ! |  | NO! |

```



```

| L | getAmountIn | External ! | NO! | |
| L | getAmountsOut | External ! | NO! |
| L | getAmountsIn | External ! | NO! |
| | | | |
| **IUniswapV2Router02** | Interface | IUniswapV2Router01 | | |
| L | removeLiquidityETHSupportingFeeOnTransferTokens | External ! | NO! |
| L | removeLiquidityETHWithPermitSupportingFeeOnTransferTokens | External ! | NO! |
| L | swapExactTokensForTokensSupportingFeeOnTransferTokens | External ! | NO! |
| L | swapExactETHForTokensSupportingFeeOnTransferTokens | External ! | NO! |
| L | swapExactTokensForETHSupportingFeeOnTransferTokens | External ! | NO! |
| | | | |
| **FoodBank** | Implementation | Context, IERC20, Ownable | | |
| L | <Constructor> | Public ! | NO! |
| L | name | Public ! | NO! |
| L | symbol | Public ! | NO! |
| L | decimals | Public ! | NO! |
| L | totalSupply | Public ! | NO! |
| L | balanceOf | Public ! | NO! |
| L | transfer | Public ! | NO! |
| L | allowance | Public ! | NO! |
| L | approve | Public ! | NO! |
| L | transferFrom | Public ! | NO! |
| L | increaseAllowance | Public ! | NO! |
| L | decreaseAllowance | Public ! | NO! |
| L | isExcludedFromReward | Public ! | NO! |
| L | totalFees | Public ! | NO! |
| L | deliver | Public ! | NO! |
| L | reflectionFromToken | Public ! | NO! |
| L | tokenFromReflection | Public ! | NO! |
| L | excludeFromReward | Public ! | onlyOwner |
| L | includeInReward | External ! | onlyOwner |
| L | _transferBothExcluded | Private ! | NO! |
| L | excludeFromFee | Public ! | onlyOwner |
| L | includeInFee | Public ! | onlyOwner |
| L | setFees | External ! | onlyOwner |
| L | setMaxTxPercent | External ! | onlyOwner |
| L | setSwapAndLiquifyEnabled | Public ! | onlyOwner |
| L | <Receive Ether> | External ! | NO! |
| L | _reflectFee | Private ! | NO! |
| L | _getValues | Private ! | |
| L | _getTValues | Private ! | |
| L | _getRValues | Private ! | |
| L | _getRate | Private ! | |
| L | _getCurrentSupply | Private ! | |
| L | _takeLiquidity | Private ! | |
| L | calculateTaxFee | Private ! | |
| L | calculateLiquidityFee | Private ! | |
| L | removeAllFee | Private ! | |
| L | restoreAllFee | Private ! | |
| L | isExcludedFromFee | Public ! | NO! |
| L | _approve | Private ! | |
| L | _transfer | Private ! | |
| L | swapAndLiquify | Private ! | lockTheSwap |
| L | swapTokensForEth | Private ! | |
| L | addLiquidity | Private ! | |
| L | _tokenTransfer | Private ! | |

```

	L		_transferStandard		Private					
	L		_transferToExcluded		Private					
	L		_transferFromExcluded		Private					

Legend

	Symbol		Meaning	
	:-----:		-----	
			Function can modify state	
			Function is payable	

- **Summary of the Audit**

According to automatically test, the customer`s solidity smart contract is **Secured**.

The general overview is presented in the Project Information section and all issues found are located in the audit overview section.

The test found 0 critical, 0 high, 0 medium, 0 low, 1 Very low issues, and 2 notes.