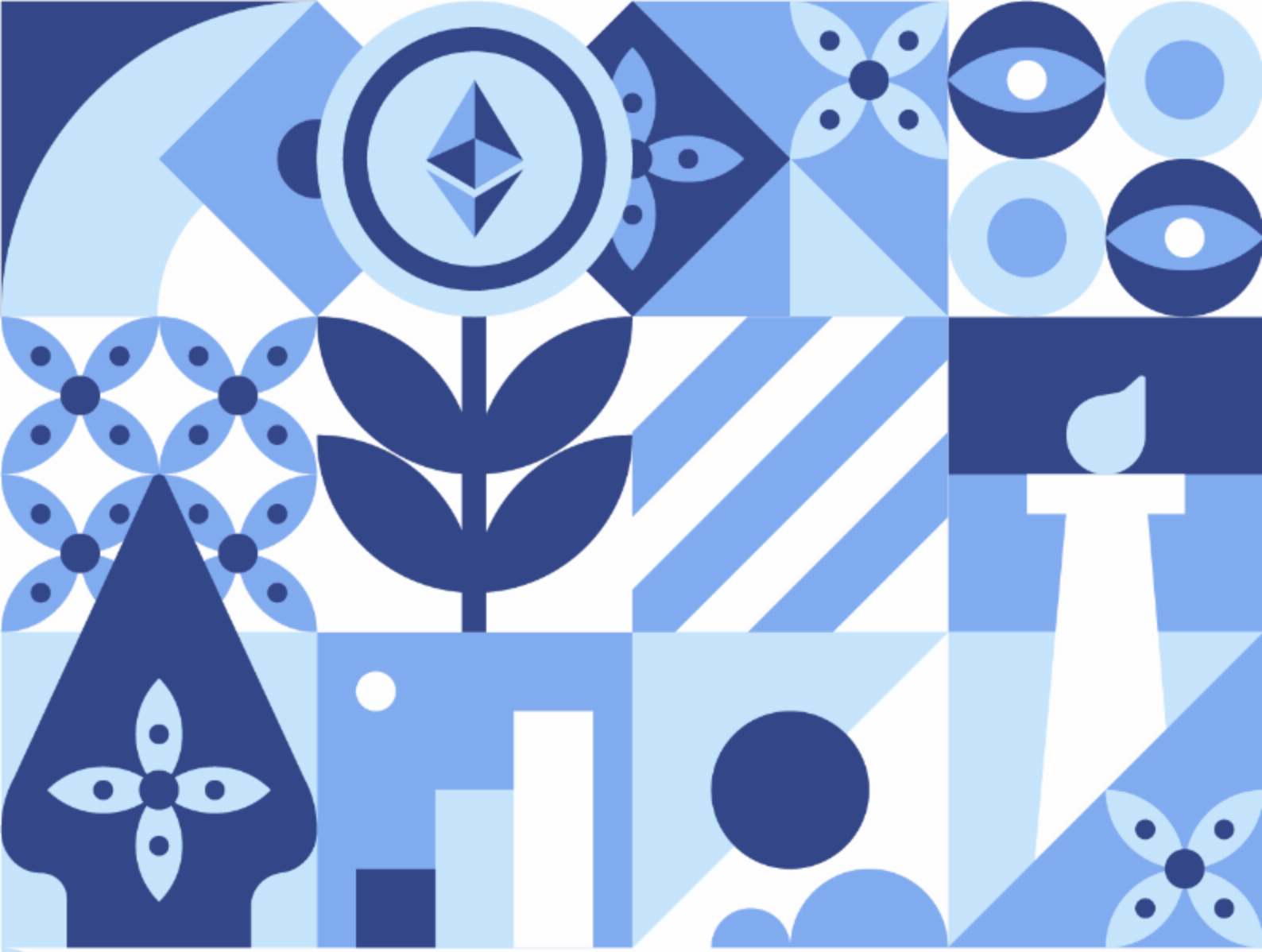

Boost

Smart Contract Audit Report

SYSFIXED

10 Aug 2021

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AUDITED DETAILS

Audited Project

Project name	Token ticker	Blockchain
Boost	BOOST	Ethereum

Addresses

Contract address	0x4e0fca55a6c3a94720ded91153a27f60e26b9aa8
Contract deployer address	0xEE72635914C510637c77B85232572d10f72b5A0E

Project Website

https://boostco.in/

Codebase

https://etherscan.io/address/0x4e0fca55a6c3a94720ded91153a27f60e26b9aa8#code

SUMMARY

"Boost is a new Digital Ecosystem for the modern world. Its mission is to disrupt traditional forms of financial tools which provide liquidity to the broader economy. We believe that the power of finance should be in the hands of the many, not the few, and that technology should be optimized in the best interest of human beings, to work for us and not the other way around. Today, large corporations earn billions of dollars each year by leveraging the value of our collective earnings, which they risk by investing in ventures large and small, for the benefit of the few, not the many. "

Contract Summary

Documentation Quality

Boost provides a very good documentation with standard of solidity base code.

- The technical description is provided clearly and structured and also dont have any high risk issue.

Code Quality

The Overall quality of the basecode is standard.

- Standard solidity basecode and rules are already followed by Boost with the discovery of several low issues.

Test Coverage

Test coverage of the project is 100% (Through Codebase)

Audit Findings Summary

- SWC-100 SWC-108 | Explicitly define visibility for all state variables on lines 666.
- SWC-101 | It is recommended to use vetted safe math libraries for arithmetic operations consistently on lines 102, 134, 157, 158, 193, 229, 645, 645, 646, 646, 669, 669, 670, 670, 671, 671, 806, 808, 828, 830, 878, 1059, 808 and 830.
- SWC-103 | Pragma statements can be allowed to float when a contract is intended on lines 6.
- SWC-110 SWC-123 | It is recommended to use of revert(), assert(), and require() in Solidity, and the new REVERT opcode in the EVM on lines 807, 808, 808, 829, 830, 830, 917, 918, 1060, 1060, 1061 and 1062.
- SWC-115 | tx.origin should not be used for authorization, use msg.sender instead on lines 872.

CONCLUSION

We have audited the Boost project released on August 2021 to discover issues and identify potential security vulnerabilities in Boost Project. This process is used to find technical issues and security loopholes which might be found in the smart contract.

The security audit report provides a satisfactory result with some low-risk issues.

The issues found in the Boost smart contract code do not pose a considerable risk. The writing of the contract is close to the standard of writing contracts in general. The low-risk issues found are some arithmetic operation issues, a floating pragma is set, a state variable visibility is not set, tx.origin as a part of authorization control and out of bounds array access which the index access expression can cause an exception in case of the use of an invalid array index value.

AUDIT RESULT

Article	Category	Description	Result
Default Visibility	SWC-100 SWC-108	Functions and state variables visibility should be set explicitly. Visibility levels should be specified consciously.	ISSUE FOUND
Integer Overflow and Underflow	SWC-101	If unchecked math is used, all math operations should be safe from overflows and underflows.	ISSUE FOUND
Outdated Compiler Version	SWC-102	It is recommended to use a recent version of the Solidity compiler.	PASS
Floating Pragma	SWC-103	Contracts should be deployed with the same compiler version and flags that they have been tested thoroughly.	ISSUE FOUND
Unchecked Call Return Value	SWC-104	The return value of a message call should be checked.	PASS
Unprotected Ether Withdrawal	SWC-105	Due to missing or insufficient access controls, malicious parties can withdraw from the contract.	PASS
SELFDESTRUCT Instruction	SWC-106	The contract should not be self-destructible while it has funds belonging to users.	PASS
Reentrancy	SWC-107	Check effect interaction pattern should be followed if the code performs recursive call.	PASS
Uninitialized Storage Pointer	SWC-109	Uninitialized local storage variables can point to unexpected storage locations in the contract.	PASS
Assert Violation	SWC-110 SWC-123	Properly functioning code should never reach a failing assert statement.	ISSUE FOUND
Deprecated Solidity Functions	SWC-111	Deprecated built-in functions should never be used.	PASS
Delegate call to Untrusted Callee	SWC-112	Delegatecalls should only be allowed to trusted addresses.	PASS

DoS (Denial of Service)	SWC-113 SWC-128	Execution of the code should never be blocked by a specific contract state unless required.	PASS
Race Conditions	SWC-114	Race Conditions and Transactions Order Dependency should not be possible.	PASS
Authorization through tx.origin	SWC-115	tx.origin should not be used for authorization.	ISSUE FOUND
Block values as a proxy for time	SWC-116	Block numbers should not be used for time calculations.	PASS
Signature Unique ID	SWC-117 SWC-121 SWC-122	Signed messages should always have a unique id. A transaction hash should not be used as a unique id.	PASS
Incorrect Constructor Name	SWC-118	Constructors are special functions that are called only once during the contract creation.	PASS
Shadowing State Variable	SWC-119	State variables should not be shadowed.	PASS
Weak Sources of Randomness	SWC-120	Random values should never be generated from Chain Attributes or be predictable.	PASS
Write to Arbitrary Storage Location	SWC-124	The contract is responsible for ensuring that only authorized user or contract accounts may write to sensitive storage locations.	PASS
Incorrect Inheritance Order	SWC-125	When inheriting multiple contracts, especially if they have identical functions, a developer should carefully specify inheritance in the correct order. The rule of thumb is to inherit contracts from more /general/ to more /specific/.	PASS
Insufficient Gas Griefing	SWC-126	Insufficient gas griefing attacks can be performed on contracts which accept data and use it in a sub-call on another contract.	PASS
Arbitrary Jump Function	SWC-127	As Solidity doesnt support pointer arithmetics, it is impossible to change such variable to an arbitrary value.	PASS

Typographical Error	SWC-129	A typographical error can occur for example when the intent of a defined operation is to sum a number to a variable.	PASS
Override control character	SWC-130	Malicious actors can use the Right-To-Left-Override unicode character to force RTL text rendering and confuse users as to the real intent of a contract.	PASS
Unused variables	SWC-131 SWC-135	Unused variables are allowed in Solidity and they do not pose a direct security issue.	PASS
Unexpected Ether balance	SWC-132	Contracts can behave erroneously when they strictly assume a specific Ether balance.	PASS
Hash Collisions Variable	SWC-133	Using abi.encodePacked() with multiple variable length arguments can, in certain situations, lead to a hash collision.	PASS
Hardcoded gas amount	SWC-134	The transfer() and send() functions forward a fixed amount of 2300 gas.	PASS
Unencrypted Private Data	SWC-136	It is a common misconception that private type variables cannot be read.	PASS

SMART CONTRACT ANALYSIS

Started	Monday Aug 09 2021 03:13:45 GMT+0000 (Coordinated Universal Time)
Finished	Tuesday Aug 10 2021 11:53:02 GMT+0000 (Coordinated Universal Time)
Mode	Standard
Main Source File	BoostToken.sol

Detected Issues

ID	Title	Severity	Status
SWC-101	ARITHMETIC OPERATION "+" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "-" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "%" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "**" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "-" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "%" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "**" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "**" DISCOVERED	low	acknowledged

SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "**" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "++" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "-" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "++" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "-" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "++" DISCOVERED	low	acknowledged
SWC-101	COMPILER-REWRITABLE "<UINT> - 1" DISCOVERED	low	acknowledged
SWC-101	COMPILER-REWRITABLE "<UINT> - 1" DISCOVERED	low	acknowledged
SWC-103	A FLOATING PRAGMA IS SET.	low	acknowledged
SWC-108	STATE VARIABLE VISIBILITY IS NOT SET.	low	acknowledged
SWC-115	USE OF "TX.ORIGIN" AS A PART OF AUTHORIZATION CONTROL.	low	acknowledged

SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged
SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged
SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged
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SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged
SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 102

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- BoostToken.sol

Locations

```
101   function add(uint256 a, uint256 b) internal pure returns (uint256) {
102   uint256 c = a + b;
103   require(c >= a, "SafeMath: addition overflow");
104
105   return c;
106
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 134

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- BoostToken.sol

Locations

```
133   require(b <= a, errorMessage);
134   uint256 c = a - b;
135
136   return c;
137   }
138
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 157

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- BoostToken.sol

Locations

```
156
157   uint256 c = a * b;
158   require(c / a == b, "SafeMath: multiplication overflow");
159
160   return c;
161
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 158

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- BoostToken.sol

Locations

```
157   uint256 c = a * b;
158   require(c / a == b, "SafeMath: multiplication overflow");
159
160   return c;
161   }
162
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 193

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- BoostToken.sol

Locations

```
192   require(b > 0, errorMessage);
193   uint256 c = a / b;
194   // assert(a == b * c + a % b); // There is no case in which this doesn't hold
195
196   return c;
197
```

SWC-101 | ARITHMETIC OPERATION "%" DISCOVERED

LINE 229

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- BoostToken.sol

Locations

```
228   require(b != 0, errorMessage);
229   return a % b;
230   }
231   }
232
233
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 645

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- BoostToken.sol

Locations

```
644   uint256 private constant MAX = ~uint256(0);
645   uint256 private constant _tTotal = 1000000000 * 10**18;
646   uint256 private _rTotal = (MAX - (MAX % _tTotal));
647   uint256 private _tFeeTotal;
648
649
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 645

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- BoostToken.sol

Locations

```
644   uint256 private constant MAX = ~uint256(0);
645   uint256 private constant _tTotal = 1000000000 * 10**18;
646   uint256 private _rTotal = (MAX - (MAX % _tTotal));
647   uint256 private _tFeeTotal;
648
649
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 646

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- BoostToken.sol

Locations

```
645   uint256 private constant _tTotal = 1000000000 * 10**18;
646   uint256 private _rTotal = (MAX - (MAX % _tTotal));
647   uint256 private _tFeeTotal;
648
649   string private constant _name = 'Boost';
650
```

SWC-101 | ARITHMETIC OPERATION "%" DISCOVERED

LINE 646

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- BoostToken.sol

Locations

```
645   uint256 private constant _tTotal = 1000000000 * 10**18;
646   uint256 private _rTotal = (MAX - (MAX % _tTotal));
647   uint256 private _tFeeTotal;
648
649   string private constant _name = 'Boost';
650
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 669

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- BoostToken.sol

Locations

```
668
669   uint256 private _maxTxAmount = 5000000 * 10**18;
670   uint256 private constant _numOfTokensToExchangeForTeam = 5000 * 10**18;
671   uint256 private _maxWalletSize = 9500000 * 10**18;
672
673
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 669

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- BoostToken.sol

Locations

```
668
669   uint256 private _maxTxAmount = 5000000 * 10**18;
670   uint256 private constant _numOfTokensToExchangeForTeam = 5000 * 10**18;
671   uint256 private _maxWalletSize = 9500000 * 10**18;
672
673
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 670

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- BoostToken.sol

Locations

```
669   uint256 private _maxTxAmount = 5000000 * 10**18;
670   uint256 private constant _numOfTokensToExchangeForTeam = 5000 * 10**18;
671   uint256 private _maxWalletSize = 9500000 * 10**18;
672
673   event botAddedToBlacklist(address account);
674
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 670

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- BoostToken.sol

Locations

```
669   uint256 private _maxTxAmount = 5000000 * 10**18;
670   uint256 private constant _numOfTokensToExchangeForTeam = 5000 * 10**18;
671   uint256 private _maxWalletSize = 9500000 * 10**18;
672
673   event botAddedToBlacklist(address account);
674
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 671

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- BoostToken.sol

Locations

```
670   uint256 private constant _numOfTokensToExchangeForTeam = 5000 * 10**18;
671   uint256 private _maxWalletSize = 9500000 * 10**18;
672
673   event botAddedToBlacklist(address account);
674   event botRemovedFromBlacklist(address account);
675
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 671

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- BoostToken.sol

Locations

```
670   uint256 private constant _numOfTokensToExchangeForTeam = 5000 * 10**18;
671   uint256 private _maxWalletSize = 9500000 * 10**18;
672
673   event botAddedToBlacklist(address account);
674   event botRemovedFromBlacklist(address account);
675
```

SWC-101 | ARITHMETIC OPERATION "++" DISCOVERED

LINE 806

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- BoostToken.sol

Locations

```
805   require (_isBlackListedBot[account], 'Account is not blacklisted');
806   for (uint256 i = 0; i < _blackListedBots.length; i++) {
807   if (_blackListedBots[i] == account) {
808   _blackListedBots[i] = _blackListedBots[_blackListedBots.length - 1];
809   _isBlackListedBot[account] = false;
810
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 808

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- BoostToken.sol

Locations

```
807   if (_blackListedBots[i] == account) {
808   _blackListedBots[i] = _blackListedBots[_blackListedBots.length - 1];
809   _isBlackListedBot[account] = false;
810   _blackListedBots.pop();
811   break;
812
```

SWC-101 | ARITHMETIC OPERATION "++" DISCOVERED

LINE 828

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- BoostToken.sol

Locations

```
827   require(_isExcluded[account], "Account is not excluded");
828   for (uint256 i = 0; i < _excluded.length; i++) {
829   if (_excluded[i] == account) {
830   _excluded[i] = _excluded[_excluded.length - 1];
831   _tOwned[account] = 0;
832
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 830

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- BoostToken.sol

Locations

```
829   if (_excluded[i] == account) {
830   _excluded[i] = _excluded[_excluded.length - 1];
831   _tOwned[account] = 0;
832   _isExcluded[account] = false;
833   _excluded.pop();
834
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 878

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- BoostToken.sol

Locations

```
877   uint256 tokenBalanceRecipient = balanceOf(recipient);
878   require(tokenBalanceRecipient + amount <= _maxWalletSize, "Recipient exceeds max
wallet size.");
879   }
880   // is the token balance of this contract address over the min number of
881   // tokens that we need to initiate a swap?
882
```

SWC-101 | ARITHMETIC OPERATION "++" DISCOVERED

LINE 1059

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- BoostToken.sol

Locations

```
1058   uint256 tSupply = _tTotal;
1059   for (uint256 i = 0; i < _excluded.length; i++) {
1060   if (_rOwned[_excluded[i]] > rSupply || _tOwned[_excluded[i]] > tSupply) return
(_rTotal, _tTotal);
1061   rSupply = rSupply.sub(_rOwned[_excluded[i]]);
1062   tSupply = tSupply.sub(_tOwned[_excluded[i]]);
1063
```

SWC-101 | COMPILER-REWRITABLE "<UINT> - 1" DISCOVERED

LINE 808

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- BoostToken.sol

Locations

```
807   if (_blackListedBots[i] == account) {
808   _blackListedBots[i] = _blackListedBots[_blackListedBots.length - 1];
809   _isBlackListedBot[account] = false;
810   _blackListedBots.pop();
811   break;
812
```

SWC-101 | COMPILER-REWRITABLE "<UINT> - 1" DISCOVERED

LINE 830

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- BoostToken.sol

Locations

```
829   if (_excluded[i] == account) {
830   _excluded[i] = _excluded[_excluded.length - 1];
831   _tOwned[account] = 0;
832   _isExcluded[account] = false;
833   _excluded.pop();
834
```

SWC-103 | A FLOATING PRAGMA IS SET.

LINE 6

low SEVERITY

The current pragma Solidity directive is ""^0.6.12"". It is recommended to specify a fixed compiler version to ensure that the bytecode produced does not vary between builds. This is especially important if you rely on bytecode-level verification of the code.

Source File

- BoostToken.sol

Locations

```
5   // SPDX-License-Identifier: Unlicensed
6   pragma solidity ^0.6.12;
7
8   abstract contract Context {
9   function _msgSender() internal view virtual returns (address payable) {
10
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 666

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "inSwap" is internal. Other possible visibility settings are public and private.

Source File

- BoostToken.sol

Locations

```
665
666   bool inSwap = false;
667   bool public swapEnabled = true;
668
669   uint256 private _maxTxAmount = 5000000 * 10**18;
670
```

SWC-115 | USE OF "TX.ORIGIN" AS A PART OF AUTHORIZATION CONTROL.

LINE 872

low SEVERITY

Using "tx.origin" as a security control can lead to authorization bypass vulnerabilities. Consider using "msg.sender" unless you really know what you are doing.

Source File

- BoostToken.sol

Locations

```
871   require(!_isBlackListedBot[msg.sender], "You are blacklisted");
872   require(!_isBlackListedBot[tx.origin], "You are blacklisted");
873   if(sender != owner() && recipient != owner()) {
874   require(amount <= _maxTxAmount, "Transfer amount exceeds the maxTxAmount.");
875   }
876
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 807

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- BoostToken.sol

Locations

```
806   for (uint256 i = 0; i < _blackListedBots.length; i++) {
807   if (_blackListedBots[i] == account) {
808   _blackListedBots[i] = _blackListedBots[_blackListedBots.length - 1];
809   _isBlackListedBot[account] = false;
810   _blackListedBots.pop();
811
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 808

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- BoostToken.sol

Locations

```
807   if (_blackListedBots[i] == account) {
808   _blackListedBots[i] = _blackListedBots[_blackListedBots.length - 1];
809   _isBlackListedBot[account] = false;
810   _blackListedBots.pop();
811   break;
812
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 808

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- BoostToken.sol

Locations

```
807   if (_blackListedBots[i] == account) {
808   _blackListedBots[i] = _blackListedBots[_blackListedBots.length - 1];
809   _isBlackListedBot[account] = false;
810   _blackListedBots.pop();
811   break;
812
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 829

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- BoostToken.sol

Locations

```
828   for (uint256 i = 0; i < _excluded.length; i++) {
829   if (_excluded[i] == account) {
830   _excluded[i] = _excluded[_excluded.length - 1];
831   _tOwned[account] = 0;
832   _isExcluded[account] = false;
833
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 830

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- BoostToken.sol

Locations

```
829   if (_excluded[i] == account) {
830   _excluded[i] = _excluded[_excluded.length - 1];
831   _tOwned[account] = 0;
832   _isExcluded[account] = false;
833   _excluded.pop();
834
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 830

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- BoostToken.sol

Locations

```
829   if (_excluded[i] == account) {
830   _excluded[i] = _excluded[_excluded.length - 1];
831   _tOwned[account] = 0;
832   _isExcluded[account] = false;
833   _excluded.pop();
834
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 917

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- BoostToken.sol

Locations

```
916   address[] memory path = new address[](2);
917   path[0] = address(this);
918   path[1] = uniswapV2Router.WETH();
919
920   _approve(address(this), address(uniswapV2Router), tokenAmount);
921
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 918

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- BoostToken.sol

Locations

```
917   path[0] = address(this);
918   path[1] = uniswapV2Router.WETH();
919
920   _approve(address(this), address(uniswapV2Router), tokenAmount);
921
922
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 1060

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- BoostToken.sol

Locations

```
1059   for (uint256 i = 0; i < _excluded.length; i++) {
1060   if (_rOwned[_excluded[i]] > rSupply || _tOwned[_excluded[i]] > tSupply) return
(_rTotal, _tTotal);
1061   rSupply = rSupply.sub(_rOwned[_excluded[i]]);
1062   tSupply = tSupply.sub(_tOwned[_excluded[i]]);
1063   }
1064
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 1060

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- BoostToken.sol

Locations

```
1059   for (uint256 i = 0; i < _excluded.length; i++) {
1060   if (_rOwned[_excluded[i]] > rSupply || _tOwned[_excluded[i]] > tSupply) return
(_rTotal, _tTotal);
1061   rSupply = rSupply.sub(_rOwned[_excluded[i]]);
1062   tSupply = tSupply.sub(_tOwned[_excluded[i]]);
1063   }
1064
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 1061

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- BoostToken.sol

Locations

```
1060   if (_rOwned[_excluded[i]] > rSupply || _tOwned[_excluded[i]] > tSupply) return
(_rTotal, _tTotal);
1061   rSupply = rSupply.sub(_rOwned[_excluded[i]]);
1062   tSupply = tSupply.sub(_tOwned[_excluded[i]]);
1063   }
1064   if (rSupply < _rTotal.div(_tTotal)) return (_rTotal, _tTotal);
1065
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 1062

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- BoostToken.sol

Locations

```
1061   rSupply = rSupply.sub(_rOwned[_excluded[i]]);
1062   tSupply = tSupply.sub(_tOwned[_excluded[i]]);
1063   }
1064   if (rSupply < _rTotal.div(_tTotal)) return (_rTotal, _tTotal);
1065   return (rSupply, tSupply);
1066
```

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