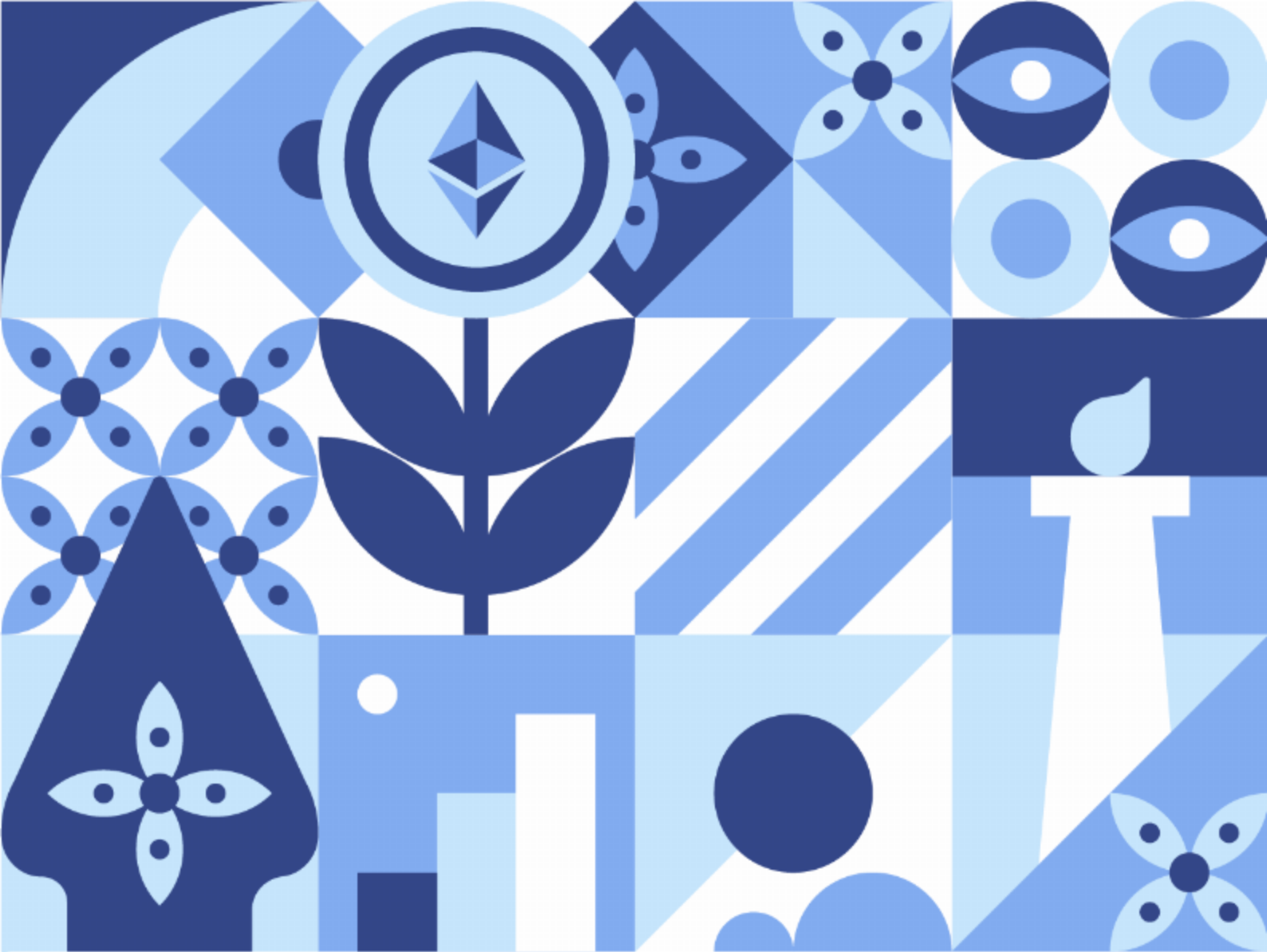




Tora Inu

Smart Contract Audit Report

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AUDITED DETAILS

Audited Project

Project name	Token ticker	Blockchain
Tora Inu	TORA	Ethereum

Addresses

Contract address	0x85E43525D41A33bCCB4bCF1Cb3f2ab0B74D59343
Contract deployer address	0x92A5E5FE9DEEe88A538c4f0e53dC129db900ACE2

Project Website

<https://www.torainu.io/>

Codebase

<https://etherscan.io/address/0x85E43525D41A33bCCB4bCF1Cb3f2ab0B74D59343#code>

SUMMARY

Welcome to the next era of Inu Deflationary rewards meme token, P2E NFT game, and metaverse.

Contract Summary

Documentation Quality

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

- The technical description is provided clearly and structured and also don't have any high risk issue.

Code Quality

The Overall quality of the basecode is standard.

- Standard solidity basecode and rules are already followed by Tora Inu 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 561.
- SWC-101 | It is recommended to use vetted safe math libraries for arithmetic operations consistently on lines 121, 153, 176, 177, 212, 248, 475, 535, 535, 536, 536, 564, 564, 565, 565, 698, 700, 753, 784, 815, 836, 842, 848, 854, 909, 964 and 700.
- SWC-103 | Pragma statements can be allowed to float when a contract is intended on lines 22.
- 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 699, 700, 700, 816, 816, 817, 818, 1002 and 1003.

CONCLUSION

We have audited the Tora Inu project released on October 2022 to discover issues and identify potential security vulnerabilities in Tora Inu 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 Tora Inu 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, 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.	PASS
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 grieving 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	Tuesday Oct 11 2022 11:15:45 GMT+0000 (Coordinated Universal Time)
Finished	Wednesday Oct 12 2022 08:32:37 GMT+0000 (Coordinated Universal Time)
Mode	Standard
Main Source File	TORA.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	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

LINE 121

low SEVERITY

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

Source File

- TORA.sol

Locations

```
120 function add(uint256 a, uint256 b) internal pure returns (uint256) {  
121     uint256 c = a + b;  
122     require(c >= a, "SafeMath: addition overflow");  
123  
124     return c;  
125 }
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 153

low SEVERITY

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

Source File

- TORA.sol

Locations

```
152   require(b <= a, errorMessage);  
153   uint256 c = a - b;  
154  
155   return c;  
156   }  
157
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 176

low SEVERITY

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

Source File

- TORA.sol

Locations

```
175
176  uint256 c = a * b;
177  require(c / a == b, "SafeMath: multiplication overflow");
178
179  return c;
180
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 177

low SEVERITY

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

Source File

- TORA.sol

Locations

```
176  uint256 c = a * b;  
177  require(c / a == b, "SafeMath: multiplication overflow");  
178  
179  return c;  
180  }  
181
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 212

low SEVERITY

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

Source File

- TORA.sol

Locations

```
211   require(b > 0, errorMessage);
212   uint256 c = a / b;
213   // assert(a == b * c + a % b); // There is no case in which this doesn't hold
214
215   return c;
216
```

SWC-101 | ARITHMETIC OPERATION "%" DISCOVERED

LINE 248

low SEVERITY

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

Source File

- TORA.sol

Locations

```
247   require(b != 0, errorMessage);
248   return a % b;
249   }
250   }
251
252
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 475

low SEVERITY

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

Source File

- TORA.sol

Locations

```
474  _owner = address(0);  
475  _lockTime = now + time;  
476  emit OwnershipTransferred(_owner, address(0));  
477  }  
478  
479
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 535

low SEVERITY

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

Source File

- TORA.sol

Locations

```
534 uint256 private constant MAX = ~uint256(0);
535 uint256 private _tTotal = 1_000_000_000 * 10**18;
536 uint256 private _rTotal = (MAX - (MAX % _tTotal));
537 uint256 private _tFeeTotal;
538
539
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 535

low SEVERITY

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

Source File

- TORA.sol

Locations

```
534 uint256 private constant MAX = ~uint256(0);
535 uint256 private _tTotal = 1_000_000_000 * 10**18;
536 uint256 private _rTotal = (MAX - (MAX % _tTotal));
537 uint256 private _tFeeTotal;
538
539
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 536

low SEVERITY

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

Source File

- TORA.sol

Locations

```
535 uint256 private _tTotal = 1_000_000_000 * 10**18;
536 uint256 private _rTotal = (MAX - (MAX % _tTotal));
537 uint256 private _tFeeTotal;
538
539 uint256 private _tBurnTotal;
540
```

SWC-101 | ARITHMETIC OPERATION "%" DISCOVERED

LINE 536

low SEVERITY

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

Source File

- TORA.sol

Locations

```
535 uint256 private _tTotal = 1_000_000_000 * 10**18;
536 uint256 private _rTotal = (MAX - (MAX % _tTotal));
537 uint256 private _tFeeTotal;
538
539 uint256 private _tBurnTotal;
540
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 564

low SEVERITY

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

Source File

- TORA.sol

Locations

```
563
564  uint256 public _maxTxAmount = 10_000_000 * 10**18;
565  uint256 public swapTokensAtAmount = 50_000_000 * 10**18;
566
567  event MinTokensBeforeSwapUpdated(uint256 minTokensBeforeSwap);
568
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 564

low SEVERITY

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

Source File

- TORA.sol

Locations

```
563
564 uint256 public _maxTxAmount = 10_000_000 * 10**18;
565 uint256 public swapTokensAtAmount = 50_000_000 * 10**18;
566
567 event MinTokensBeforeSwapUpdated(uint256 minTokensBeforeSwap);
568
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 565

low SEVERITY

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

Source File

- TORA.sol

Locations

```
564 uint256 public _maxTxAmount = 10_000_000 * 10**18;
565 uint256 public swapTokensAtAmount = 50_000_000 * 10**18;
566
567 event MinTokensBeforeSwapUpdated(uint256 minTokensBeforeSwap);
568 event SwapAndLiquifyEnabledUpdated(bool enabled);
569
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 565

low SEVERITY

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

Source File

- TORA.sol

Locations

```
564 uint256 public _maxTxAmount = 10_000_000 * 10**18;
565 uint256 public swapTokensAtAmount = 50_000_000 * 10**18;
566
567 event MinTokensBeforeSwapUpdated(uint256 minTokensBeforeSwap);
568 event SwapAndLiquifyEnabledUpdated(bool enabled);
569
```

SWC-101 | ARITHMETIC OPERATION "++" DISCOVERED

LINE 698

low SEVERITY

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

Source File

- TORA.sol

Locations

```
697   require(!_isExcluded[account], "Account is already excluded");
698   for (uint256 i = 0; i < _excluded.length; i++) {
699       if (_excluded[i] == account) {
700           _excluded[i] = _excluded[_excluded.length - 1];
701           _tOwned[account] = 0;
702       }
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 700

low SEVERITY

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

Source File

- TORA.sol

Locations

```
699  if (_excluded[i] == account) {  
700  _excluded[i] = _excluded[_excluded.length - 1];  
701  _tOwned[account] = 0;  
702  _isExcluded[account] = false;  
703  _excluded.pop();  
704
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 753

low SEVERITY

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

Source File

- TORA.sol

Locations

```
752  _maxTxAmount = _tTotal.mul(maxTxPercent).div(  
753  10**2  
754  );  
755  }  
756  
757
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 784

low SEVERITY

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

Source File

- TORA.sol

Locations

```
783
784  uint256 extrafee = tburnFee + tmarketingFee;
785
786  uint256 tTransferAmount = tAmount.sub(tFee).sub(tLiquidity).sub(extrafee);
787  return (tTransferAmount, tFee, tLiquidity);
788
```

SWC-101 | ARITHMETIC OPERATION "++" DISCOVERED

LINE 815

low SEVERITY

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

Source File

- TORA.sol

Locations

```
814  uint256 tSupply = _tTotal;
815  for (uint256 i = 0; i < _excluded.length; i++) {
816    if (_rOwned[_excluded[i]] > rSupply || _tOwned[_excluded[i]] > tSupply) return
      (_rTotal, _tTotal);
817    rSupply = rSupply.sub(_rOwned[_excluded[i]]);
818    tSupply = tSupply.sub(_tOwned[_excluded[i]]);
819  }
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 836

low SEVERITY

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

Source File

- TORA.sol

Locations

```
835     return _amount.mul(_taxFee).div(  
836         10**2  
837     );  
838 }  
839  
840
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 842

low SEVERITY

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

Source File

- TORA.sol

Locations

```
841     return _amount.mul(_liquidityFee).div(  
842         10**2  
843     );  
844 }  
845  
846
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 848

low SEVERITY

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

Source File

- TORA.sol

Locations

```
847     return _amount.mul(_burnFee).div(  
848         10**2  
849     );  
850 }  
851  
852
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 854

low SEVERITY

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

Source File

- TORA.sol

Locations

```
853     return _amount.mul(_marketingFee).div(  
854         10**2  
855     );  
856 }  
857  
858
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 909

low SEVERITY

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

Source File

- TORA.sol

Locations

```
908
909  uint256 contractTokenBalanceforLP = balanceOf(address(this)) -
    _pendingMarketingFee;
910
911  bool canSwap = contractTokenBalanceforLP >= swapTokensAtAmount;
912  if (
913
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 964

low SEVERITY

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

Source File

- TORA.sol

Locations

```
963     function swapOnDemand() external onlyOwner {  
964         uint256 contractTokenBalanceforlp = balanceOf(address(this)) -  
_pendingMarketingFee;  
965         if (contractTokenBalanceforlp>0) {  
966             inSwapAndLiquify = true;  
967             swapAndLiquify(contractTokenBalanceforlp);  
968         }
```

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

LINE 700

low SEVERITY

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

Source File

- TORA.sol

Locations

```
699   if (_excluded[i] == account) {  
700     _excluded[i] = _excluded[_excluded.length - 1];  
701     _tOwned[account] = 0;  
702     _isExcluded[account] = false;  
703     _excluded.pop();  
704
```

SWC-103 | A FLOATING PRAGMA IS SET.

LINE 22

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

- TORA.sol

Locations

```
21
22  pragma solidity ^0.6.12;
23  // SPDX-License-Identifier: Unlicensed
24  interface IERC20 {
25
26
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 561

low SEVERITY

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

Source File

- TORA.sol

Locations

```
560
561  bool inSwapAndLiquify;
562  bool public swapAndLiquifyEnabled = true;
563
564  uint256 public _maxTxAmount = 10_000_000 * 10**18;
565
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 699

low SEVERITY

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

Source File

- TORA.sol

Locations

```
698   for (uint256 i = 0; i < _excluded.length; i++) {  
699     if (_excluded[i] == account) {  
700       _excluded[i] = _excluded[_excluded.length - 1];  
701       _tOwned[account] = 0;  
702       _isExcluded[account] = false;  
703     }
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 700

low SEVERITY

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

Source File

- TORA.sol

Locations

```
699   if (_excluded[i] == account) {  
700     _excluded[i] = _excluded[_excluded.length - 1];  
701     _tOwned[account] = 0;  
702     _isExcluded[account] = false;  
703     _excluded.pop();  
704   }
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 700

low SEVERITY

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

Source File

- TORA.sol

Locations

```
699   if (_excluded[i] == account) {  
700     _excluded[i] = _excluded[_excluded.length - 1];  
701     _tOwned[account] = 0;  
702     _isExcluded[account] = false;  
703     _excluded.pop();  
704   }
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 816

low SEVERITY

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

Source File

-TORA.sol

Locations

```
815   for (uint256 i = 0; i < _excluded.length; i++) {  
816     if (_rOwned[_excluded[i]] > rSupply || _tOwned[_excluded[i]] > tSupply) return  
      (_rTotal, _tTotal);  
817     rSupply = rSupply.sub(_rOwned[_excluded[i]]);  
818     tSupply = tSupply.sub(_tOwned[_excluded[i]]);  
819   }  
820
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 816

low SEVERITY

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

Source File

-TORA.sol

Locations

```
815   for (uint256 i = 0; i < _excluded.length; i++) {  
816     if (_rOwned[_excluded[i]] > rSupply || _tOwned[_excluded[i]] > tSupply) return  
      (_rTotal, _tTotal);  
817     rSupply = rSupply.sub(_rOwned[_excluded[i]]);  
818     tSupply = tSupply.sub(_tOwned[_excluded[i]]);  
819   }  
820
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 817

low SEVERITY

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

Source File

-TORA.sol

Locations

```
816  if (_rOwned[_excluded[i]] > rSupply || _tOwned[_excluded[i]] > tSupply) return
      (_rTotal, _tTotal);
817  rSupply = rSupply.sub(_rOwned[_excluded[i]]);
818  tSupply = tSupply.sub(_tOwned[_excluded[i]]);
819  }
820  if (rSupply < _rTotal.div(_tTotal)) return (_rTotal, _tTotal);
821
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 818

low SEVERITY

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

Source File

- TORA.sol

Locations

```
817   rSupply = rSupply.sub(_rOwned[_excluded[i]]);  
818   tSupply = tSupply.sub(_tOwned[_excluded[i]]);  
819   }  
820   if (rSupply < _rTotal.div(_tTotal)) return (_rTotal, _tTotal);  
821   return (rSupply, tSupply);  
822
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 1002

low SEVERITY

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

Source File

- TORA.sol

Locations

```
1001 address[] memory path = new address[](2);
1002 path[0] = address(this);
1003 path[1] = uniswapV2Router.WETH();
1004
1005 _approve(address(this), address(uniswapV2Router), tokenAmount);
1006
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 1003

low SEVERITY

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

Source File

- TORA.sol

Locations

```
1002 path[0] = address(this);
1003 path[1] = uniswapV2Router.WETH();
1004
1005 _approve(address(this), address(uniswapV2Router), tokenAmount);
1006
1007
```

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