



WET Token

Smart Contract Audit Report

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AUDITED DETAILS

Audited Project

Project name	Token ticker	Blockchain
WET Token	WET	Binance Smart Chain

Addresses

Contract address	0x324Ca33Dc70Ce3010AA70c1F94940Dd5C133490F
Contract deployer address	0x5066723eDf8af6455c9d1099C047e1EaBfB46b3b

Project Website

<https://wethub.co/>

Codebase

<https://bscscan.com/address/0x324Ca33Dc70Ce3010AA70c1F94940Dd5C133490F#code>

SUMMARY

WetHub is a Web 3.0 social networking platform for content creators, that helps them earn extra income from donations, and subscriptions from followers, and fans who are crypto users. NO presale, NO private sale, Audited by BlockSafu, a company recommended by PinkSale, Lock in liquidity for 1 year, Release 100% tokens immediately after listing on PancakeSwap, NFTs System, V1 Platform live now. Discount 10% for max contribution (2 BNB)

Contract Summary

Documentation Quality

WET Token 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 WET Token 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 955.
- SWC-101 | It is recommended to use vetted safe math libraries for arithmetic operations consistently on lines 209, 223, 238, 239, 252, 264, 279, 293, 307, 321, 337, 360, 383, 409, 923, 991, 991, 1000, 1000, 1012, 1194, 1196, 1236, 1236, 1247, 1247, 1255, 1255, 1262, 1366, 1400, 1408, 1417 and 1196.
- 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 1195, 1196, 1196, 1368, 1369, 1371, 1372, 1518 and 1519.

CONCLUSION

We have audited the WET Token project released on December 2022 to discover issues and identify potential security vulnerabilities in WET Token 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 WET Token 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 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.	PASS
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 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 <code>abi.encodePacked()</code> with multiple variable length arguments can, in certain situations, lead to a hash collision.	PASS
Hardcoded gas amount	SWC-134	The <code>transfer()</code> and <code>send()</code> 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 Dec 12 2022 15:49:40 GMT+0000 (Coordinated Universal Time)
Finished	Tuesday Dec 13 2022 02:30:32 GMT+0000 (Coordinated Universal Time)
Mode	Standard
Main Source File	LiquidityGeneratorToken.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	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 209

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
208     unchecked {
209         uint256 c = a + b;
210         if (c < a) return (false, 0);
211         return (true, c);
212     }
213
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 223

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
222     if (b > a) return (false, 0);
223     return (true, a - b);
224   }
225 }
226
227
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 238

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
237   if (a == 0) return (true, 0);
238   uint256 c = a * b;
239   if (c / a != b) return (false, 0);
240   return (true, c);
241 }
242
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 239

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
238     uint256 c = a * b;
239     if (c / a != b) return (false, 0);
240     return (true, c);
241 }
242 }
243
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 252

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
251     if (b == 0) return (false, 0);
252     return (true, a / b);
253   }
254 }
255
256
```


SWC-101 | ARITHMETIC OPERATION "%" DISCOVERED

LINE 264

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
263     if (b == 0) return (false, 0);
264     return (true, a % b);
265   }
266 }
267
268
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 279

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
278     function add(uint256 a, uint256 b) internal pure returns (uint256) {
279         return a + b;
280     }
281
282     /**
283
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 293

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
292     function sub(uint256 a, uint256 b) internal pure returns (uint256) {
293         return a - b;
294     }
295
296     /**
297
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 307

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
306     function mul(uint256 a, uint256 b) internal pure returns (uint256) {
307         return a * b;
308     }
309
310     /**
311
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 321

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
320     function div(uint256 a, uint256 b) internal pure returns (uint256) {
321         return a / b;
322     }
323
324     /**
325
```

SWC-101 | ARITHMETIC OPERATION "%" DISCOVERED

LINE 337

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
336     function mod(uint256 a, uint256 b) internal pure returns (uint256) {  
337         return a % b;  
338     }  
339  
340     /**  
341
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 360

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
359     require(b <= a, errorMessage);
360     return a - b;
361   }
362 }
363
364
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 383

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
382     require(b > 0, errorMessage);
383     return a / b;
384 }
385 }
386
387
```


SWC-101 | ARITHMETIC OPERATION "%" DISCOVERED

LINE 409

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
408     require(b > 0, errorMessage);
409     return a % b;
410   }
411 }
412 }
413
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 923

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
922
923  uint256 public constant MAX_FEE = 10**3;
924
925  mapping(address => uint256) private _rOwned;
926  mapping(address => uint256) private _tOwned;
927
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 991

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
990     require(  
991     taxFeeBps_ + liquidityFeeBps_ + marketingFeeBps_ <= MAX_FEE,  
992     "Total fee is over 10%"  
993     );  
994  
995
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 991

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
990     require(  
991     taxFeeBps_ + liquidityFeeBps_ + marketingFeeBps_ <= MAX_FEE,  
992     "Total fee is over 10%"  
993     );  
994  
995
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 1000

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
999  _tTotal = totalSupply_;
1000  _rTotal = (MAX - (MAX % _tTotal));
1001
1002  _taxFee = taxFeeBps_;
1003  _previousTaxFee = _taxFee;
1004
```

SWC-101 | ARITHMETIC OPERATION "%" DISCOVERED

LINE 1000

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
999  _tTotal = totalSupply_;
1000  _rTotal = (MAX - (MAX % _tTotal));
1001
1002  _taxFee = taxFeeBps_;
1003  _previousTaxFee = _taxFee;
1004
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 1012

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
1011
1012     numTokensSellToAddToLiquidity = totalSupply_.div(10**3); // 0.1%
1013
1014     swapAndLiquifyEnabled = true;
1015
1016
```

SWC-101 | ARITHMETIC OPERATION "++" DISCOVERED

LINE 1194

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
1193     require(!_isExcluded[account], "Account is already excluded");
1194     for (uint256 i = 0; i < _excluded.length; i++) {
1195         if (_excluded[i] == account) {
1196             _excluded[i] = _excluded[_excluded.length - 1];
1197             _tOwned[account] = 0;
1198         }
```


SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 1196

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
1195   if (_excluded[i] == account) {  
1196     _excluded[i] = _excluded[_excluded.length - 1];  
1197     _tOwned[account] = 0;  
1198     _isExcluded[account] = false;  
1199     _excluded.pop();  
1200
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 1236

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
1235     require(  
1236         _taxFee + _liquidityFee + _marketingFee <= MAX_FEE,  
1237         "Total fee is over 10%"  
1238     );  
1239 }  
1240
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 1236

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
1235     require(  
1236         _taxFee + _liquidityFee + _marketingFee <= MAX_FEE,  
1237         "Total fee is over 10%"  
1238     );  
1239 }  
1240
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 1247

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
1246     require(  
1247         _taxFee + _liquidityFee + _marketingFee <= MAX_FEE,  
1248         "Total fee is over 10%"  
1249     );  
1250 }  
1251
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 1247

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
1246     require(  
1247         _taxFee + _liquidityFee + _marketingFee <= MAX_FEE,  
1248         "Total fee is over 10%"  
1249     );  
1250 }  
1251
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 1255

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
1254     require(  
1255         _taxFee + _liquidityFee + _marketingFee <= MAX_FEE,  
1256         "Total fee is over 10%"  
1257     );  
1258 }  
1259
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 1255

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
1254     require(  
1255         _taxFee + _liquidityFee + _marketingFee <= MAX_FEE,  
1256         "Total fee is over 10%"  
1257     );  
1258 }  
1259
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 1262

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
1261     require(  
1262         _amount >= totalSupply().mul(5).div(10**4),  
1263         "Swapback amount should be at least 0.05% of total supply"  
1264     );  
1265     numTokensSellToAddToLiquidity = _amount;  
1266
```


SWC-101 | ARITHMETIC OPERATION "++" DISCOVERED

LINE 1366

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
1365     uint256 tSupply = _tTotal;
1366     for (uint256 i = 0; i < _excluded.length; i++) {
1367         if (
1368             _rOwned[_excluded[i]] > rSupply ||
1369             _tOwned[_excluded[i]] > tSupply
1370         )
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 1400

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
1399     function calculateTaxFee(uint256 _amount) private view returns (uint256) {  
1400         return _amount.mul(_taxFee).div(10**4);  
1401     }  
1402  
1403     function calculateLiquidityFee(uint256 _amount)  
1404
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 1408

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
1407 {
1408   return _amount.mul(_liquidityFee).div(10**4);
1409 }
1410
1411 function calculateMarketingFee(uint256 _amount)
1412
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 1417

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
1416   if (_marketingAddress == address(0)) return 0;
1417   return _amount.mul(_marketingFee).div(10**4);
1418   }
1419
1420   function removeAllFee() private {
1421
```

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

LINE 1196

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
1195   if (_excluded[i] == account) {  
1196     _excluded[i] = _excluded[_excluded.length - 1];  
1197     _tOwned[account] = 0;  
1198     _isExcluded[account] = false;  
1199     _excluded.pop();  
1200
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 955

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

- LiquidityGeneratorToken.sol

Locations

```
954
955  bool inSwapAndLiquify;
956  bool public swapAndLiquifyEnabled;
957
958  uint256 private numTokensSellToAddToLiquidity;
959
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 1195

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
1194 for (uint256 i = 0; i < _excluded.length; i++) {
1195     if (_excluded[i] == account) {
1196         _excluded[i] = _excluded[_excluded.length - 1];
1197         _tOwned[account] = 0;
1198         _isExcluded[account] = false;
1199     }
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 1196

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
1195     if (_excluded[i] == account) {  
1196         _excluded[i] = _excluded[_excluded.length - 1];  
1197         _tOwned[account] = 0;  
1198         _isExcluded[account] = false;  
1199         _excluded.pop();  
1200     }
```


SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 1196

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
1195     if (_excluded[i] == account) {
1196         _excluded[i] = _excluded[_excluded.length - 1];
1197         _tOwned[account] = 0;
1198         _isExcluded[account] = false;
1199         _excluded.pop();
1200     }
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 1368

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
1367     if (  
1368         _rOwned[_excluded[i]] > rSupply ||  
1369         _tOwned[_excluded[i]] > tSupply  
1370     ) return (_rTotal, _tTotal);  
1371     rSupply = rSupply.sub(_rOwned[_excluded[i]]);  
1372
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 1369

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
1368  _rOwned[_excluded[i]] > rSupply ||  
1369  _tOwned[_excluded[i]] > tSupply  
1370  ) return (_rTotal, _tTotal);  
1371  rSupply = rSupply.sub(_rOwned[_excluded[i]]);  
1372  tSupply = tSupply.sub(_tOwned[_excluded[i]]);  
1373
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 1371

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
1370 ) return (_rTotal, _tTotal);
1371 rSupply = rSupply.sub(_rOwned[_excluded[i]]);
1372 tSupply = tSupply.sub(_tOwned[_excluded[i]]);
1373 }
1374 if (rSupply < _rTotal.div(_tTotal)) return (_rTotal, _tTotal);
1375
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 1372

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
1371 rSupply = rSupply.sub(_rOwned[_excluded[i]]);
1372 tSupply = tSupply.sub(_tOwned[_excluded[i]]);
1373 }
1374 if (rSupply < _rTotal.div(_tTotal)) return (_rTotal, _tTotal);
1375 return (rSupply, tSupply);
1376
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 1518

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
1517     address[] memory path = new address[](2);
1518     path[0] = address(this);
1519     path[1] = uniswapV2Router.WETH();
1520
1521     _approve(address(this), address(uniswapV2Router), tokenAmount);
1522
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 1519

low SEVERITY

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

Source File

- LiquidityGeneratorToken.sol

Locations

```
1518 path[0] = address(this);
1519 path[1] = uniswapV2Router.WETH();
1520
1521 _approve(address(this), address(uniswapV2Router), tokenAmount);
1522
1523
```

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