



ShibaCrypt
Smart Contract
Audit Report

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AUDITED DETAILS

Audited Project

| Project name | Token ticker | Blockchain |
|--------------|--------------|------------|
| ShibaCrypt | SCX | Ethereum |

Addresses

| | |
|---------------------------|--|
| Contract address | 0xD15bC1F6408d11c2513444B9d0253efd838AF781 |
| Contract deployer address | 0xD15bC1F6408d11c2513444B9d0253efd838AF781 |

Project Website

<https://scxdao.com/>

Codebase

<https://etherscan.io/address/0xD15bC1F6408d11c2513444B9d0253efd838AF781#code>

SUMMARY

ShibaCrypt is a token on the ERC20 blockchain inspired by the decentralized community-led vision of the original Shiba project, and launched by a former member of the Shiba development team. The project relies on community governance via DAO and provides web applications for various blockchain utilities.

Contract Summary

Documentation Quality

ShibaCrypt 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 ShibaCrypt 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 701 and 726.
- SWC-101 | It is recommended to use vetted safe math libraries for arithmetic operations consistently on lines 110, 142, 165, 166, 201, 237, 465, 706, 706, 707, 707, 729, 729, 730, 730, 731, 731, 862, 864, 912, 917, 917, 922, 922, 950, 1008, 1027, 1033, 1109, 1139 and 864.
- SWC-103 | Pragma statements can be allowed to float when a contract is intended on lines 11.
- 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 863, 864, 864, 949, 1009, 1009, 1010, 1011, 1149 and 1150.

CONCLUSION

We have audited the ShibaCrypt project released on July 2022 to discover issues and identify potential security vulnerabilities in ShibaCrypt 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 ShibaCrypt 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. 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.

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 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 | Wednesday Jul 06 2022 20:25:22 GMT+0000 (Coordinated Universal Time) |
| Finished | Thursday Jul 07 2022 02:58:22 GMT+0000 (Coordinated Universal Time) |
| Mode | Standard |
| Main Source File | ShibaCrypt.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

LINE 110

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
109 function add(uint256 a, uint256 b) internal pure returns (uint256) {  
110     uint256 c = a + b;  
111     require(c >= a, "SafeMath: addition overflow");  
112  
113     return c;  
114 }
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 142

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
141   require(b <= a, errorMessage);
142   uint256 c = a - b;
143
144   return c;
145   }
146
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 165

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
164
165  uint256 c = a * b;
166  require(c / a == b, "SafeMath: multiplication overflow");
167
168  return c;
169
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 166

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
165     uint256 c = a * b;
166     require(c / a == b, "SafeMath: multiplication overflow");
167
168     return c;
169 }
170
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 201

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
200   require(b > 0, errorMessage);
201   uint256 c = a / b;
202   // assert(a == b * c + a % b); // There is no case in which this doesn't hold
203
204   return c;
205
```


SWC-101 | ARITHMETIC OPERATION "%" DISCOVERED

LINE 237

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
236   require(b != 0, errorMessage);
237   return a % b;
238   }
239   }
240
241
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 465

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
464  _owner = address(0);
465  _lockTime = block.timestamp + time;
466  emit OwnershipTransferred(_owner, address(0));
467  }
468
469
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 706

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
705 uint256 private constant MAX = ~uint256(0);
706 uint256 private _tTotal = 1000000000000 * 10**9;
707 uint256 private _rTotal = (MAX - (MAX % _tTotal));
708 uint256 private _tFeeTotal;
709 address public marketingWallet;
710
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 706

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
705 uint256 private constant MAX = ~uint256(0);
706 uint256 private _tTotal = 100000000000 * 10**9;
707 uint256 private _rTotal = (MAX - (MAX % _tTotal));
708 uint256 private _tFeeTotal;
709 address public marketingWallet;
710
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 707

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
706 uint256 private _tTotal = 1000000000000 * 10**9;  
707 uint256 private _rTotal = (MAX - (MAX % _tTotal));  
708 uint256 private _tFeeTotal;  
709 address public marketingWallet;  
710  
711
```

SWC-101 | ARITHMETIC OPERATION "%" DISCOVERED

LINE 707

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
706 uint256 private _tTotal = 1000000000000 * 10**9;  
707 uint256 private _rTotal = (MAX - (MAX % _tTotal));  
708 uint256 private _tFeeTotal;  
709 address public marketingWallet;  
710  
711
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 729

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
728
729  uint256 public _maxTxAmount = 500000000 * 10**9;
730  uint256 public numTokensSellToAddToLiquidity = 30000000 * 10**9;
731  uint256 public _maxWalletSize = 1000000000 * 10**9;
732
733
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 729

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
728
729  uint256 public _maxTxAmount = 500000000 * 10**9;
730  uint256 public numTokensSellToAddToLiquidity = 30000000 * 10**9;
731  uint256 public _maxWalletSize = 1000000000 * 10**9;
732
733
```


SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 730

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
729 uint256 public _maxTxAmount = 500000000 * 10**9;  
730 uint256 public numTokensSellToAddToLiquidity = 30000000 * 10**9;  
731 uint256 public _maxWalletSize = 1000000000 * 10**9;  
732  
733 event MinTokensBeforeSwapUpdated(uint256 minTokensBeforeSwap);  
734
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 730

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
729 uint256 public _maxTxAmount = 500000000 * 10**9;  
730 uint256 public numTokensSellToAddToLiquidity = 30000000 * 10**9;  
731 uint256 public _maxWalletSize = 1000000000 * 10**9;  
732  
733 event MinTokensBeforeSwapUpdated(uint256 minTokensBeforeSwap);  
734
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 731

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
730 uint256 public numTokensSellToAddToLiquidity = 30000000 * 10**9;  
731 uint256 public _maxWalletSize = 1000000000 * 10**9;  
732  
733 event MinTokensBeforeSwapUpdated(uint256 minTokensBeforeSwap);  
734 event SwapAndLiquifyEnabledUpdated(bool enabled);  
735
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 731

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
730 uint256 public numTokensSellToAddToLiquidity = 30000000 * 10**9;  
731 uint256 public _maxWalletSize = 1000000000 * 10**9;  
732  
733 event MinTokensBeforeSwapUpdated(uint256 minTokensBeforeSwap);  
734 event SwapAndLiquifyEnabledUpdated(bool enabled);  
735
```

SWC-101 | ARITHMETIC OPERATION "++" DISCOVERED

LINE 862

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
861   require(!_isExcluded[account], "Account is already excluded");
862   for (uint256 i = 0; i < _excluded.length; i++) {
863     if (_excluded[i] == account) {
864       _excluded[i] = _excluded[_excluded.length - 1];
865       _tOwned[account] = 0;
866     }
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 864

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
863   if (_excluded[i] == account) {  
864     _excluded[i] = _excluded[_excluded.length - 1];  
865     _tOwned[account] = 0;  
866     _isExcluded[account] = false;  
867     _excluded.pop();  
868
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 912

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
911  {
912  _maxWalletSize = _tTotal.mul(maxWalletSize).div(10**3);
913  }
914
915  function setMaxTxAmount(uint256 maxTxAmount) external onlyOwner() {
916
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 917

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
916   require(maxTxAmount > 10000000, "Max Tx Amount cannot be less than 10 Million");
917   _maxTxAmount = maxTxAmount * 10**9;
918   }
919
920   function setSwapThresholdAmount(uint256 SwapThresholdAmount) external onlyOwner() {
921
```


SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 917

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
916     require(maxTxAmount > 10000000, "Max Tx Amount cannot be less than 10 Million");
917     _maxTxAmount = maxTxAmount * 10**9;
918 }
919
920 function setSwapThresholdAmount(uint256 SwapThresholdAmount) external onlyOwner() {
921
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 922

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
921   require(SwapThresholdAmount > 10000000, "Swap Threshold Amount cannot be less than
10 Million");
922   numTokensSellToAddToLiquidity = SwapThresholdAmount * 10**9;
923   }
924
925   function claimTokens () public onlyOwner {
926
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 922

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
921   require(SwapThresholdAmount > 10000000, "Swap Threshold Amount cannot be less than
10 Million");
922   numTokensSellToAddToLiquidity = SwapThresholdAmount * 10**9;
923   }
924
925   function claimTokens () public onlyOwner {
926
```

SWC-101 | ARITHMETIC OPERATION "+=" DISCOVERED

LINE 950

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
949     addBotWalletsInternal(multiplebotWallets[iterator]);
950     iterator += 1;
951 }
952 }
953
954
```

SWC-101 | ARITHMETIC OPERATION "++" DISCOVERED

LINE 1008

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
1007  uint256 tSupply = _tTotal;
1008  for (uint256 i = 0; i < _excluded.length; i++) {
1009    if (_rOwned[_excluded[i]] > rSupply || _tOwned[_excluded[i]] > tSupply) return
    (_rTotal, _tTotal);
1010    rSupply = rSupply.sub(_rOwned[_excluded[i]]);
1011    tSupply = tSupply.sub(_tOwned[_excluded[i]]);
1012
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 1027

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
1026     return _amount.mul(_taxFee).div(  
1027         10**2  
1028     );  
1029 }  
1030  
1031
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 1033

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
1032     return _amount.mul(_liquidityFee).div(  
1033         10**2  
1034     );  
1035 }  
1036  
1037
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 1109

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
1108     require(  
1109     amount + balanceOf(to) <= _maxWalletSize,  
1110     "Recipient exceeds max wallet size."  
1111     );  
1112     }  
1113
```


SWC-101 | ARITHMETIC OPERATION "-=" DISCOVERED

LINE 1139

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
1138 payable(marketingWallet).transfer(marketingshare);
1139 newBalance -= marketingshare;
1140 // add liquidity to uniswap
1141 addLiquidity(otherHalf, newBalance);
1142
1143
```

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

LINE 864

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
863   if (_excluded[i] == account) {  
864     _excluded[i] = _excluded[_excluded.length - 1];  
865     _tOwned[account] = 0;  
866     _isExcluded[account] = false;  
867     _excluded.pop();  
868
```

SWC-103 | A FLOATING PRAGMA IS SET.

LINE 11

low SEVERITY

The current pragma Solidity directive is ""^0.8.9"". 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

- ShibaCrypt.sol

Locations

```
10
11 pragma solidity ^0.8.9;
12 // SPDX-License-Identifier: Unlicensed
13 interface IERC20 {
14
15
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 701

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
700 mapping (address => bool) private botWallets;  
701 bool botscantrade = false;  
702  
703 bool public canTrade = false;  
704  
705
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 726

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

- ShibaCrypt.sol

Locations

```
725
726 bool inSwapAndLiquify;
727 bool public swapAndLiquifyEnabled = true;
728
729 uint256 public _maxTxAmount = 500000000 * 10**9;
730
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 863

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
862   for (uint256 i = 0; i < _excluded.length; i++) {  
863     if (_excluded[i] == account) {  
864       _excluded[i] = _excluded[_excluded.length - 1];  
865       _tOwned[account] = 0;  
866       _isExcluded[account] = false;  
867     }
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 864

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
863     if (_excluded[i] == account) {  
864         _excluded[i] = _excluded[_excluded.length - 1];  
865         _tOwned[account] = 0;  
866         _isExcluded[account] = false;  
867         _excluded.pop();  
868     }
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 864

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
863     if (_excluded[i] == account) {  
864         _excluded[i] = _excluded[_excluded.length - 1];  
865         _tOwned[account] = 0;  
866         _isExcluded[account] = false;  
867         _excluded.pop();  
868     }
```


SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 949

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
948 while(iterator < multiplebotWallets.length){
949   addBotWalletsInternal(multiplebotWallets[iterator]);
950   iterator += 1;
951 }
952 }
953
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 1009

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
1008   for (uint256 i = 0; i < _excluded.length; i++) {
1009     if (_rOwned[_excluded[i]] > rSupply || _tOwned[_excluded[i]] > tSupply) return
        (_rTotal, _tTotal);
1010     rSupply = rSupply.sub(_rOwned[_excluded[i]]);
1011     tSupply = tSupply.sub(_tOwned[_excluded[i]]);
1012   }
1013
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 1009

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
1008   for (uint256 i = 0; i < _excluded.length; i++) {
1009     if (_rOwned[_excluded[i]] > rSupply || _tOwned[_excluded[i]] > tSupply) return
        (_rTotal, _tTotal);
1010     rSupply = rSupply.sub(_rOwned[_excluded[i]]);
1011     tSupply = tSupply.sub(_tOwned[_excluded[i]]);
1012   }
1013
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 1010

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
1009  if (_rOwned[_excluded[i]] > rSupply || _tOwned[_excluded[i]] > tSupply) return
      (_rTotal, _tTotal);
1010  rSupply = rSupply.sub(_rOwned[_excluded[i]]);
1011  tSupply = tSupply.sub(_tOwned[_excluded[i]]);
1012  }
1013  if (rSupply < _rTotal.div(_tTotal)) return (_rTotal, _tTotal);
1014
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 1011

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
1010     rSupply = rSupply.sub(_rOwned[_excluded[i]]);
1011     tSupply = tSupply.sub(_tOwned[_excluded[i]]);
1012     }
1013     if (rSupply < _rTotal.div(_tTotal)) return (_rTotal, _tTotal);
1014     return (rSupply, tSupply);
1015
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 1149

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
1148     address[] memory path = new address[](2);
1149     path[0] = address(this);
1150     path[1] = uniswapV2Router.WETH();
1151
1152     _approve(address(this), address(uniswapV2Router), tokenAmount);
1153
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 1150

low SEVERITY

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

Source File

- ShibaCrypt.sol

Locations

```
1149 path[0] = address(this);
1150 path[1] = uniswapV2Router.WETH();
1151
1152 _approve(address(this), address(uniswapV2Router), tokenAmount);
1153
1154
```

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