



CBomber Token
Smart Contract
Audit Report

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AUDITED DETAILS

Audited Project

Project name	Token ticker	Blockchain
CBomber Token	CBOMBER	Polygon Matic

Addresses

Contract address	0xcf74ae52ae2c848387e6cd0048e1ec5a93ee2c66
Contract deployer address	0x89d4c05848811155ce16a447c762421eaC93d927

Project Website

<https://cryptobomber.io/>

Codebase

<https://polygonscan.com/address/0xcf74ae52ae2c848387e6cd0048e1ec5a93ee2c66#code>

SUMMARY

Crypto Bomber is a Play-to-Earn game with CBOMBER as token reward. This token has an auto staking function that pays USDT for its holders. Crypto Bomber is a Play to Earn NFT RPG developed on the Polygon Mainnet. The game revolves around the acquisition of powerful Hunters and blasting Bombs to detonate them against the Monsters. Players may participate in combat using their assets to earn CBOMBER tokens. Assets are player's owned NFTs minted in the ERC-721 standard which may be traded at our Marketplace or .

Contract Summary

Documentation Quality

CBomber Token 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 CBomber 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 194, 202, 203, 204, 206, 207, 208, 221, 223, 360, 361, 362, 363, 369, 374, 375, 377, 378, 379, 381, 382, 383, 384, 385, 386, 391, 392, 399, 400, 401, 402, 406, 407, 408, 409, 410, 412, 413, 417 and 420.
- SWC-101 | It is recommended to use vetted safe math libraries for arithmetic operations consistently on lines 11, 21, 30, 31, 41, 216, 219, 219, 303, 304, 309, 351, 352, 369, 369, 370, 371, 371, 416, 522, 595, 608, 608, 654, 669, 351 and 352.
- SWC-103 | Pragma statements can be allowed to float when a contract is intended on lines 7.
- 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 266, 267, 297, 298, 351, 351, 352, 556, 557, 628 and 629.
- SWC-120 | It is recommended to use external sources of randomness via oracles on lines 522, 595, 621, 649 and 665.

CONCLUSION

We have audited the CBomber Token project released on February 2022 to discover issues and identify potential security vulnerabilities in CBomber 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 satisfactory results with low-risk issues.

The issues found in the CBomber 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 floating pragma is set, a state variable visibility is not set, the potential use of "block.number" as a source of randomness, 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. The current pragma Solidity directive is `"^0.8.5"`. Specifying a fixed compiler version is recommended 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. It is best practice to set the visibility of state variables explicitly. The default visibility for "DEAD" is internal. Other possible visibility settings are public and private. The environment variable "block.number" looks like it might be used as a source of randomness. Note that the values of variables like coinbase, gaslimit, block number, and timestamp are predictable and can be manipulated by a malicious miner. Also, keep in mind that attackers know hashes of earlier blocks. Don't use any of those environment variables as sources of randomness, and be aware that using these variables introduces a certain level of trust into miners.

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.	ISSUE FOUND
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 Feb 16 2022 03:05:53 GMT+0000 (Coordinated Universal Time)
Finished	Thursday Feb 17 2022 10:58:57 GMT+0000 (Coordinated Universal Time)
Mode	Standard
Main Source File	CBomber.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	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
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SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 11

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
10  function add(uint256 a, uint256 b) internal pure returns (uint256) {
11  uint256 c = a + b;
12  require(c >= a, "SafeMath: addition overflow");
13
14  return c;
15
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 21

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
20  require(b <= a, errorMessage);  
21  uint256 c = a - b;  
22  
23  return c;  
24  }  
25
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 30

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
29
30  uint256 c = a * b;
31  require(c / a == b, "SafeMath: multiplication overflow");
32
33  return c;
34
```


SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 31

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
30  uint256 c = a * b;  
31  require(c / a == b, "SafeMath: multiplication overflow");  
32  
33  return c;  
34  }  
35
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 41

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
40  require(b > 0, errorMessage);
41  uint256 c = a / b;
42  // assert(a == b * c + a % b); // There is no case in which this doesn't hold
43
44  return c;
45
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 216

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
215 uint256 public dividendsPerShare;  
216 uint256 public dividendsPerShareAccuracyFactor = 10 ** 36;  
217  
218 uint256 public minPeriod = 1 hours;  
219 uint256 public minDistribution = 1 * (10 ** 8);  
220
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 219

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
218 uint256 public minPeriod = 1 hours;  
219 uint256 public minDistribution = 1 * (10 ** 8);  
220  
221 uint256 currentIndex;  
222  
223
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 219

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
218 uint256 public minPeriod = 1 hours;  
219 uint256 public minDistribution = 1 * (10 ** 8);  
220  
221 uint256 currentIndex;  
222  
223
```

SWC-101 | ARITHMETIC OPERATION "++" DISCOVERED

LINE 303

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
302 gasLeft = gasleft();
303 currentIndex++;
304 iterations++;
305 }
306 }
307
```

SWC-101 | ARITHMETIC OPERATION "++" DISCOVERED

LINE 304

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
303     currentIndex++;
304     iterations++;
305 }
306 }
307
308
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 309

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
308     function shouldDistribute(address shareholder) internal view returns (bool) {
309         return shareholderClaims[shareholder] + minPeriod < block.timestamp
310             && getUnpaidEarnings(shareholder) > minDistribution;
311     }
312
313
```


SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 351

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
350 function removeShareholder(address shareholder) internal {
351     shareholders[shareholderIndexes[shareholder]] = shareholders[shareholders.length-
1];
352     shareholderIndexes[shareholders[shareholders.length-1]] =
shareholderIndexes[shareholder];
353     shareholders.pop();
354 }
355
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 352

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
351  shareholders[shareholderIndexes[shareholder]] = shareholders[shareholders.length-1];
352  shareholderIndexes[shareholders[shareholders.length-1]] = shareholderIndexes[shareholder];
353  shareholders.pop();
354  }
355  }
356
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 369

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
368
369  uint256 _totalSupply = 1000000 * (10 ** _decimals);
370  uint256 public _maxTxAmount = _totalSupply / 40; // 2,5%
371  uint256 public maxWalletTokens = 1000000 * (10**9); // Anti-Whale
372  bool public lockTransfer = false;
373
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 369

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
368
369  uint256 _totalSupply = 1000000 * (10 ** _decimals);
370  uint256 public _maxTxAmount = _totalSupply / 40; // 2,5%
371  uint256 public maxWalletTokens = 1000000 * (10**9); // Anti-Whale
372  bool public lockTransfer = false;
373
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 370

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
369 uint256 _totalSupply = 1000000 * (10 ** _decimals);
370 uint256 public _maxTxAmount = _totalSupply / 40; // 2,5%
371 uint256 public maxWalletTokens = 1000000 * (10**9); // Anti-Whale
372 bool public lockTransfer = false;
373
374
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 371

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
370  uint256 public _maxTxAmount = _totalSupply / 40; // 2,5%
371  uint256 public maxWalletTokens = 1000000 * (10**9); // Anti-Whale
372  bool public lockTransfer = false;
373
374  mapping (address => uint256) _balances;
375
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 371

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
370  uint256 public _maxTxAmount = _totalSupply / 40; // 2,5%
371  uint256 public maxWalletTokens = 1000000 * (10**9); // Anti-Whale
372  bool public lockTransfer = false;
373
374  mapping (address => uint256) _balances;
375
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 416

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
415     bool public swapEnabled = true;
416     uint256 public swapThreshold = _totalSupply / 200; // 5%
417     bool inSwap;
418     modifier swapping() { inSwap = true; _; inSwap = false; }
419
420
```


SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 522

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
521     function getTotalFee(bool selling) public view returns (uint256) {
522         if(launchedAt + 1 >= block.number){ return feeDenominator.sub(1); }
523         if(selling && buybackMultiplierTriggeredAt.add(buybackMultiplierLength) >
block.timestamp){ return getMultipliedFee(); }
524         return totalFee;
525     }
526
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 595

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
594    && autoBuybackEnabled
595    && autoBuybackBlockLast + autoBuybackBlockPeriod <= block.number
596    && address(this).balance >= autoBuybackAmount;
597    }
598
599
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 608

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
607     function removeMaxWallet() public onlyOwner {
608         maxWalletTokens = 2000000000 * 10**9;
609     }
610
611     function clearBuybackMultiplier() external authorized {
612
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 608

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
607     function removeMaxWallet() public onlyOwner {
608         maxWalletTokens = 2000000000 * 10**9;
609     }
610
611     function clearBuybackMultiplier() external authorized {
612
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 654

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
653  function setBuybackMultiplierSettings(uint256 numerator, uint256 denominator,
uint256 length) external authorized {
654  require(numerator / denominator <= 2 && numerator > denominator);
655  buybackMultiplierNumerator = numerator;
656  buybackMultiplierDenominator = denominator;
657  buybackMultiplierLength = length;
658
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 669

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
668     function setTxLimit(uint256 amount) external authorized {
669         require(amount >= _totalSupply / 1000);
670         _maxTxAmount = amount;
671     }
672
673
```

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

LINE 351

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
350 function removeShareholder(address shareholder) internal {
351     shareholders[shareholderIndexes[shareholder]] = shareholders[shareholders.length-
1];
352     shareholderIndexes[shareholders[shareholders.length-1]] =
shareholderIndexes[shareholder];
353     shareholders.pop();
354 }
355
```

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

LINE 352

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
351  shareholders[shareholderIndexes[shareholder]] = shareholders[shareholders.length-1];
352  shareholderIndexes[shareholders[shareholders.length-1]] = shareholderIndexes[shareholder];
353  shareholders.pop();
354  }
355  }
356
```


SWC-103 | A FLOATING PRAGMA IS SET.

LINE 7

low SEVERITY

The current pragma Solidity directive is `""^0.8.5""`. 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

- CBomber.sol

Locations

```
6
7  pragma solidity ^0.8.5;
8
9  library SafeMath {
10     function add(uint256 a, uint256 b) internal pure returns (uint256) {
11
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 194

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
193
194  address _token;
195
196  struct Share {
197    uint256 amount;
198
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 202

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
201
202  IBEP20 USDT = IBEP20(0xc2132D05D31c914a87C6611C10748AEb04B58e8F);
203  address WBNB = 0x0d500B1d8E8eF31E21C99d1Db9A6444d3ADf1270;
204  IDEXRouter router;
205
206
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 203

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
202  IBEP20 USDT = IBEP20(0xc2132D05D31c914a87C6611C10748AEb04B58e8F);  
203  address WBNB = 0x0d500B1d8E8eF31E21C99d1Db9A6444d3ADf1270;  
204  IDEXRouter router;  
205  
206  address[] shareholders;  
207
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 204

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
203     address WBNB = 0x0d500B1d8E8eF31E21C99d1Db9A6444d3ADf1270;  
204     IDEXRouter router;  
205  
206     address[] shareholders;  
207     mapping (address => uint256) shareholderIndexes;  
208
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 206

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
205
206 address[] shareholders;
207 mapping (address => uint256) shareholderIndexes;
208 mapping (address => uint256) shareholderClaims;
209
210
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 207

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
206 address[] shareholders;  
207 mapping (address => uint256) shareholderIndexes;  
208 mapping (address => uint256) shareholderClaims;  
209  
210 mapping (address => Share) public shares;  
211
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 208

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
207 mapping (address => uint256) shareholderIndexes;  
208 mapping (address => uint256) shareholderClaims;  
209  
210 mapping (address => Share) public shares;  
211  
212
```


SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 221

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
220
221  uint256 currentIndex;
222
223  bool initialized;
224  modifier initialization() {
225
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 223

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
222
223     bool initialized;
224     modifier initialization() {
225         require(!initialized);
226         _;
227     }
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 360

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
359
360 address USDT = 0xc2132D05D31c914a87C6611C10748AEb04B58e8F;
361 address WBNB = 0x0d500B1d8E8eF31E21C99d1Db9A6444d3ADf1270;
362 address DEAD = 0x00000000000000000000000000000000dEaD;
363 address ZERO = 0x000000000000000000000000000000000000;
364
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 361

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
360 address USDT = 0xc2132D05D31c914a87C6611C10748AEb04B58e8F;  
361 address WBNB = 0x0d500B1d8E8eF31E21C99d1Db9A6444d3ADf1270;  
362 address DEAD = 0x00000000000000000000000000000000dEaD;  
363 address ZERO = 0x000000000000000000000000000000000000;  
364  
365
```


SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 369

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
368
369 uint256 _totalSupply = 1000000 * (10 ** _decimals);
370 uint256 public _maxTxAmount = _totalSupply / 40; // 2,5%
371 uint256 public maxWalletTokens = 1000000 * (10**9); // Anti-Whale
372 bool public lockTransfer = false;
373
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 374

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
373
374 mapping (address => uint256) _balances;
375 mapping (address => mapping (address => uint256)) _allowances;
376
377 mapping (address => bool) isFeeExempt;
378
```


SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 375

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
374 mapping (address => uint256) _balances;
375 mapping (address => mapping (address => uint256)) _allowances;
376
377 mapping (address => bool) isFeeExempt;
378 mapping (address => bool) isTxLimitExempt;
379
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 377

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
376
377 mapping (address => bool) isFeeExempt;
378 mapping (address => bool) isTxLimitExempt;
379 mapping (address => bool) isDividendExempt;
380
381
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 378

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
377 mapping (address => bool) isFeeExempt;  
378 mapping (address => bool) isTxLimitExempt;  
379 mapping (address => bool) isDividendExempt;  
380  
381 uint256 liquidityFee = 300;  
382
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 379

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
378 mapping (address => bool) isTxLimitExempt;  
379 mapping (address => bool) isDividendExempt;  
380  
381 uint256 liquidityFee = 300;  
382 uint256 buybackFee = 0;  
383
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 381

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
380
381  uint256 liquidityFee = 300;
382  uint256 buybackFee = 0;
383  uint256 reflectionFee = 300;
384  uint256 marketingFee = 0;
385
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 382

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
381 uint256 liquidityFee = 300;
382 uint256 buybackFee = 0;
383 uint256 reflectionFee = 300;
384 uint256 marketingFee = 0;
385 uint256 totalFee = 600;
386
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 383

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
382  uint256 buybackFee = 0;  
383  uint256 reflectionFee = 300;  
384  uint256 marketingFee = 0;  
385  uint256 totalFee = 600;  
386  uint256 feeDenominator = 10000;  
387
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 384

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
383  uint256 reflectionFee = 300;
384  uint256 marketingFee = 0;
385  uint256 totalFee = 600;
386  uint256 feeDenominator = 10000;
387
388
```


SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 385

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
384 uint256 marketingFee = 0;  
385 uint256 totalFee = 600;  
386 uint256 feeDenominator = 10000;  
387  
388 address public autoLiquidityReceiver;  
389
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 386

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
385  uint256 totalFee = 600;
386  uint256 feeDenominator = 10000;
387
388  address public autoLiquidityReceiver;
389  address public marketingFeeReceiver;
390
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 391

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
390
391  uint256 targetLiquidity = 25;
392  uint256 targetLiquidityDenominator = 100;
393
394  IDEXRouter public router;
395
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 392

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
391  uint256 targetLiquidity = 25;
392  uint256 targetLiquidityDenominator = 100;
393
394  IDEXRouter public router;
395  address public pair;
396
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 399

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
398
399  uint256 buybackMultiplierNumerator = 200;
400  uint256 buybackMultiplierDenominator = 100;
401  uint256 buybackMultiplierTriggeredAt;
402  uint256 buybackMultiplierLength = 30 minutes;
403
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 400

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
399 uint256 buybackMultiplierNumerator = 200;  
400 uint256 buybackMultiplierDenominator = 100;  
401 uint256 buybackMultiplierTriggeredAt;  
402 uint256 buybackMultiplierLength = 30 minutes;  
403  
404
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 401

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
400 uint256 buybackMultiplierDenominator = 100;
401 uint256 buybackMultiplierTriggeredAt;
402 uint256 buybackMultiplierLength = 30 minutes;
403
404 bool public autoBuybackEnabled = false;
405
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 402

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
401  uint256 buybackMultiplierTriggeredAt;  
402  uint256 buybackMultiplierLength = 30 minutes;  
403  
404  bool public autoBuybackEnabled = false;  
405  bool public autoBuybackMultiplier = true;  
406
```


SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 406

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
405  bool public autoBuybackMultiplier = true;
406  uint256 autoBuybackCap;
407  uint256 autoBuybackAccumulator;
408  uint256 autoBuybackAmount;
409  uint256 autoBuybackBlockPeriod;
410
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 407

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
406  uint256 autoBuybackCap;  
407  uint256 autoBuybackAccumulator;  
408  uint256 autoBuybackAmount;  
409  uint256 autoBuybackBlockPeriod;  
410  uint256 autoBuybackBlockLast;  
411
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 408

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
407 uint256 autoBuybackAccumulator;  
408 uint256 autoBuybackAmount;  
409 uint256 autoBuybackBlockPeriod;  
410 uint256 autoBuybackBlockLast;  
411  
412
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 409

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
408 uint256 autoBuybackAmount;  
409 uint256 autoBuybackBlockPeriod;  
410 uint256 autoBuybackBlockLast;  
411  
412 DividendDistributor distributor;  
413
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 410

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
409  uint256 autoBuybackBlockPeriod;  
410  uint256 autoBuybackBlockLast;  
411  
412  DividendDistributor distributor;  
413  uint256 distributorGas = 500000;  
414
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 412

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
411
412 DividendDistributor distributor;
413 uint256 distributorGas = 500000;
414
415 bool public swapEnabled = true;
416
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 413

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
412 DividendDistributor distributor;  
413 uint256 distributorGas = 500000;  
414  
415 bool public swapEnabled = true;  
416 uint256 public swapThreshold = _totalSupply / 200; // 5%  
417
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 417

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

- CBomber.sol

Locations

```
416 uint256 public swapThreshold = _totalSupply / 200; // 5%
417 bool inSwap;
418 modifier swapping() { inSwap = true; _; inSwap = false; }
419
420 mapping(address => bool) isBlacklisted;
421
```


SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 420

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
419
420 mapping(address => bool) isBlacklisted;
421
422 constructor () Auth(msg.sender) {
423     router = IDEXRouter(0xa5E0829CaCEd8fFDD4De3c43696c57F7D7A678ff);
424
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 266

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
265     address[] memory path = new address[](2);
266     path[0] = WBNB;
267     path[1] = address(USDT);
268
269     router.swapExactETHForTokensSupportingFeeOnTransferTokens{value: msg.value}(
270
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 267

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
266 path[0] = WBNB;  
267 path[1] = address(USDT);  
268  
269 router.swapExactETHForTokensSupportingFeeOnTransferTokens{value: msg.value}(  
270 0,  
271
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 297

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
296
297   if(shouldDistribute(shareholders[currentIndex])){
298     distributeDividend(shareholders[currentIndex]);
299   }
300
301
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 298

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
297     if(shouldDistribute(shareholders[currentIndex])){
298         distributeDividend(shareholders[currentIndex]);
299     }
300
301     gasUsed = gasUsed.add(gasLeft.sub(gasleft()));
302
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 351

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
350 function removeShareholder(address shareholder) internal {
351     shareholders[shareholderIndexes[shareholder]] = shareholders[shareholders.length-
1];
352     shareholderIndexes[shareholders[shareholders.length-1]] =
shareholderIndexes[shareholder];
353     shareholders.pop();
354 }
355
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 351

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
350 function removeShareholder(address shareholder) internal {
351     shareholders[shareholderIndexes[shareholder]] = shareholders[shareholders.length-
1];
352     shareholderIndexes[shareholders[shareholders.length-1]] =
shareholderIndexes[shareholder];
353     shareholders.pop();
354 }
355
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 352

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
351  shareholders[shareholderIndexes[shareholder]] = shareholders[shareholders.length-1];
352  shareholderIndexes[shareholders[shareholders.length-1]] = shareholderIndexes[shareholder];
353  shareholders.pop();
354  }
355  }
356
```


SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 556

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
555 address[] memory path = new address[](2);
556 path[0] = address(this);
557 path[1] = WBNB;
558
559 uint256 balanceBefore = address(this).balance;
560
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 557

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
556 path[0] = address(this);  
557 path[1] = WBNB;  
558  
559 uint256 balanceBefore = address(this).balance;  
560  
561
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 628

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
627 address[] memory path = new address[](2);
628 path[0] = WBNB;
629 path[1] = address(this);
630
631 router.swapExactETHForTokensSupportingFeeOnTransferTokens{value: amount}(
632
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 629

low SEVERITY

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

Source File

- CBomber.sol

Locations

```
628     path[0] = WBNB;  
629     path[1] = address(this);  
630  
631     router.swapExactETHForTokensSupportingFeeOnTransferTokens{value: amount}(  
632         0,  
633
```

SWC-120 | POTENTIAL USE OF "BLOCK.NUMBER" AS SOURCE OF RANDOMNESS.

LINE 522

low SEVERITY

The environment variable "block.number" looks like it might be used as a source of randomness. Note that the values of variables like coinbase, gaslimit, block number and timestamp are predictable and can be manipulated by a malicious miner. Also keep in mind that attackers know hashes of earlier blocks. Don't use any of those environment variables as sources of randomness and be aware that use of these variables introduces a certain level of trust into miners.

Source File

- CBomber.sol

Locations

```
521 function getTotalFee(bool selling) public view returns (uint256) {
522     if(launchedAt + 1 >= block.number){ return feeDenominator.sub(1); }
523     if(selling && buybackMultiplierTriggeredAt.add(buybackMultiplierLength) >
block.timestamp){ return getMultipliedFee(); }
524     return totalFee;
525 }
526
```

SWC-120 | POTENTIAL USE OF "BLOCK.NUMBER" AS SOURCE OF RANDOMNESS.

LINE 595

low SEVERITY

The environment variable "block.number" looks like it might be used as a source of randomness. Note that the values of variables like coinbase, gaslimit, block number and timestamp are predictable and can be manipulated by a malicious miner. Also keep in mind that attackers know hashes of earlier blocks. Don't use any of those environment variables as sources of randomness and be aware that use of these variables introduces a certain level of trust into miners.

Source File

- CBomber.sol

Locations

```
594    && autoBuybackEnabled
595    && autoBuybackBlockLast + autoBuybackBlockPeriod <= block.number
596    && address(this).balance >= autoBuybackAmount;
597    }
598
599
```

SWC-120 | POTENTIAL USE OF "BLOCK.NUMBER" AS SOURCE OF RANDOMNESS.

LINE 621

low SEVERITY

The environment variable "block.number" looks like it might be used as a source of randomness. Note that the values of variables like coinbase, gaslimit, block number and timestamp are predictable and can be manipulated by a malicious miner. Also keep in mind that attackers know hashes of earlier blocks. Don't use any of those environment variables as sources of randomness and be aware that use of these variables introduces a certain level of trust into miners.

Source File

- CBomber.sol

Locations

```
620  }
621  autoBuybackBlockLast = block.number;
622  autoBuybackAccumulator = autoBuybackAccumulator.add(autoBuybackAmount);
623  if(autoBuybackAccumulator > autoBuybackCap){ autoBuybackEnabled = false; }
624  }
625
```

SWC-120 | POTENTIAL USE OF "BLOCK.NUMBER" AS SOURCE OF RANDOMNESS.

LINE 649

low SEVERITY

The environment variable "block.number" looks like it might be used as a source of randomness. Note that the values of variables like coinbase, gaslimit, block number and timestamp are predictable and can be manipulated by a malicious miner. Also keep in mind that attackers know hashes of earlier blocks. Don't use any of those environment variables as sources of randomness and be aware that use of these variables introduces a certain level of trust into miners.

Source File

- CBomber.sol

Locations

```
648 autoBuybackBlockPeriod = _period;
649 autoBuybackBlockLast = block.number;
650 autoBuybackMultiplier = _autoBuybackMultiplier;
651 }
652
653
```


SWC-120 | POTENTIAL USE OF "BLOCK.NUMBER" AS SOURCE OF RANDOMNESS.

LINE 665

low SEVERITY

The environment variable "block.number" looks like it might be used as a source of randomness. Note that the values of variables like coinbase, gaslimit, block number and timestamp are predictable and can be manipulated by a malicious miner. Also keep in mind that attackers know hashes of earlier blocks. Don't use any of those environment variables as sources of randomness and be aware that use of these variables introduces a certain level of trust into miners.

Source File

- CBomber.sol

Locations

```
664 function launch() internal {
665   launchedAt = block.number;
666 }
667
668 function setTxLimit(uint256 amount) external authorized {
669
```

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