



FROG CEO

Smart Contract Audit Report

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AUDITED DETAILS

Audited Project

Project name	Token ticker	Blockchain
FROG CEO	FROG CEO	Binance Smart Chain

Addresses

Contract address	0xbbf8b05ef7af53ccbff8e3673e73714f939bfd84
Contract deployer address	0x092Bd1A7624CA27291B08d4F7F2a1A597b9A9e1B

Project Website

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

Codebase

<https://bscscan.com/address/0xbbf8b05ef7af53ccbff8e3673e73714f939bfd84#code>

SUMMARY

Frog Ceo, including but not limited to the overall project, token, Website, smart contracts, and any apps ("FROGCEO") as presented in this conceptual paper, is not a licensed, unlicensed, or exempted financial or payment service of any kind and in any jurisdiction. Any terminology used in this Whitepaper, on the Website, or within the app is intended only as a primary reference, without any effective or legal meaning of the same terms in a regulated and economic environment. Frog Ceo is a community-driven project and does not have owners, shareholders, promoters, marketers, managers, directors, or other figures or entities exerting any form of governance. The Frog Ceo smart contracts are open-source, security audited, permanent, and non-modifiable in any way. The Frog Ceo token is strictly a utility token in all jurisdictions. It is not and cannot be considered a "security" or otherwise regulated token of any kind. Frog Ceo is not e-money and fiat money or an asset-backed stablecoin, whether global or limited in scope. This Whitepaper taken by itself is not a contract or a contractual agreement of any kind, nor is it an invitation, solicitation, or offer to invest in Frog Ceo or acquire or use Frog Ceo tokens in any way with any expectation of profit from that place.

Contract Summary

Documentation Quality

FROG CEO 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 FROG CEO with the discovery of several low issues.

Test Coverage

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

Audit Findings Summary

- SWC-101 | It is recommended to use vetted safe math libraries for arithmetic operations consistently on lines 156, 156, 157, 158, 159, 159, 162, 162, 272, 277, 288, 318, 337, 338, 361, 361, 368, 370, 372, 400, 400, 402, 403, 407, 407, 425, 429, 429, 433, 433, 437, 442, 449, 451, 452, 506, 509, 510, 513, 554, 565, 565 and 338.
- SWC-103 | Pragma statements can be allowed to float when a contract is intended on lines 28.

- 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 337, 338, 338, 443, 446, 450, 451, 537, 539 and 554.



CONCLUSION

We have audited the FROG CEO project released on March 2023 to discover issues and identify potential security vulnerabilities in FROG CEO 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 FROG CEO 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 a floating pragma 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.	PASS
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 Mar 08 2023 17:45:34 GMT+0000 (Coordinated Universal Time)
Finished	Thursday Mar 09 2023 22:55:04 GMT+0000 (Coordinated Universal Time)
Mode	Standard
Main Source File	FROGCEO.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	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 156

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
155 address public deadWallet = 0x000000000000000000000000000000000000000000000000000000000000000000dEaD;  
156 address public marketingWallet = 0xD8Ad22Ae19340ff77373bE33970aE92883Aba80A;  
157  
158 string private constant _name = "FROG CEO";  
159 string private constant _symbol = "FROG CEO";  
160
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 156

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
155 address public deadWallet = 0x0000000000000000000000000000000000000000000000000000000000000000dEaD;
156 address public marketingWallet = 0xD8Ad22Ae19340ff77373bE33970aE92883Aba80A;
157
158 string private constant _name = "FROG CEO";
159 string private constant _symbol = "FROG CEO";
160
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 157

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
156 address public marketingWallet = 0xD8Ad22Ae19340ff77373bE33970aE92883Aba80A;  
157  
158 string private constant _name = "FROG CEO";  
159 string private constant _symbol = "FROG CEO";  
160  
161
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 158

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
157
158  string private constant _name = "FROG CEO";
159  string private constant _symbol = "FROG CEO";
160
161  struct Taxes {
162
```


SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 159

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
158 string private constant _name = "FROG CEO";
159 string private constant _symbol = "FROG CEO";
160
161 struct Taxes {
162     uint256 rfi;
163 }
```

SWC-101 | ARITHMETIC OPERATION "%" DISCOVERED

LINE 159

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
158 string private constant _name = "FROG CEO";
159 string private constant _symbol = "FROG CEO";
160
161 struct Taxes {
162     uint256 rfi;
163 }
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 162

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
161  struct Taxes {
162  uint256 rfi;
163  uint256 marketing;
164  }
165  // tax 6% r, 4% mrkt
166
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 162

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
161  struct Taxes {  
162  uint256 rfi;  
163  uint256 marketing;  
164  }  
165  // tax 6% r, 4% mrkt  
166
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 272

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
271
272 function decreaseAllowance(address spender, uint256 subtractedValue)
273 public
274 returns (bool)
275 {
276
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 277

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
276     uint256 currentAllowance = _allowances[_msgSender()][spender];
277     require(currentAllowance >= subtractedValue, "BEP20: decreased allowance below
zero");
278     _approve(_msgSender(), spender, currentAllowance - subtractedValue);
279
280     return true;
281
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 288

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
287
288     function isExcludedFromReward(address account) public view returns (bool) {
289         return _isExcluded[account];
290     }
291
292
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 318

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
317     if (_rOwned[account] > 0) {
318         _tOwned[account] = tokenFromReflection(_rOwned[account]);
319     }
320     _isExcluded[account] = true;
321     _excluded.push(account);
322
```


SWC-101 | ARITHMETIC OPERATION "++" DISCOVERED

LINE 337

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
336
337  function excludeFromFee(address account) public onlyOwner {
338  _isExcludedFromFee[account] = true;
339  }
340
341
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 338

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
337     function excludeFromFee(address account) public onlyOwner {  
338         _isExcludedFromFee[account] = true;  
339     }  
340  
341     function includeInFee(address account) public onlyOwner {  
342
```

SWC-101 | ARITHMETIC OPERATION "-=" DISCOVERED

LINE 361

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
360  }  
361  _rOwned[address(this)] += rMarketing;  
362  }  
363  
364  
365
```

SWC-101 | ARITHMETIC OPERATION "+=" DISCOVERED

LINE 361

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
360  }  
361  _rOwned[address(this)] += rMarketing;  
362  }  
363  
364  
365
```

SWC-101 | ARITHMETIC OPERATION "+=" DISCOVERED

LINE 368

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
367     bool takeFee
368     ) private view returns (valuesFromGetValues memory to_return) {
369         to_return = _getTValues(tAmount, takeFee);
370         (
371         to_return.rAmount,
372
```

SWC-101 | ARITHMETIC OPERATION "+=" DISCOVERED

LINE 370

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
369   to_return = _getTValues(tAmount, takeFee);
370   (
371   to_return.rAmount,
372   to_return.rTransferAmount,
373   to_return.rRfi,
374
```

SWC-101 | ARITHMETIC OPERATION "+=" DISCOVERED

LINE 372

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
371 to_return.rAmount,  
372 to_return.rTransferAmount,  
373 to_return.rRfi,  
374 to_return.rMarketing  
375 ) = _getRValues(to_return, tAmount, takeFee, _getRate());  
376
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 400

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
399 valuesFromGetValues memory s,  
400 uint256 tAmount,  
401 bool takeFee,  
402 uint256 currentRate  
403 )  
404
```


SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 400

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
399 valuesFromGetValues memory s,  
400 uint256 tAmount,  
401 bool takeFee,  
402 uint256 currentRate  
403 )  
404
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 402

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
401     bool takeFee,  
402     uint256 currentRate  
403     )  
404     private  
405     pure  
406
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 403

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
402 uint256 currentRate
403 )
404 private
405 pure
406 returns (
407
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 407

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
406     returns (  
407         uint256 rAmount,  
408         uint256 rTransferAmount,  
409         uint256 rRfi,  
410         uint256 rMarketing  
411     )
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 407

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
406     returns (  
407         uint256 rAmount,  
408         uint256 rTransferAmount,  
409         uint256 rRfi,  
410         uint256 rMarketing  
411     )
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 425

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
424     rMarketing;  
425     return (rAmount, rTransferAmount, rRfi, rMarketing);  
426 }  
427  
428     function _getRate() private view returns (uint256) {  
429
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 429

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
428 function _getRate() private view returns (uint256) {
429     (uint256 rSupply, uint256 tSupply) = _getCurrentSupply();
430     return rSupply / tSupply;
431 }
432
433
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 429

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
428 function _getRate() private view returns (uint256) {
429     (uint256 rSupply, uint256 tSupply) = _getCurrentSupply();
430     return rSupply / tSupply;
431 }
432
433
```


SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 433

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
432
433  function _getCurrentSupply() private view returns (uint256, uint256) {
434      uint256 rSupply = _rTotal;
435      uint256 tSupply = _tTotal;
436      for (uint256 i = 0; i < _excluded.length; i++) {
437
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 433

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
432
433 function _getCurrentSupply() private view returns (uint256, uint256) {
434     uint256 rSupply = _rTotal;
435     uint256 tSupply = _tTotal;
436     for (uint256 i = 0; i < _excluded.length; i++) {
437
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 437

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
436   for (uint256 i = 0; i < _excluded.length; i++) {
437     if (_rOwned[_excluded[i]] > rSupply || _tOwned[_excluded[i]] > tSupply)
438       return (_rTotal, _tTotal);
439     rSupply = rSupply - _rOwned[_excluded[i]];
440     tSupply = tSupply - _tOwned[_excluded[i]];
441   }
```

SWC-101 | ARITHMETIC OPERATION "++" DISCOVERED

LINE 442

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
441  }  
442  if (rSupply < _rTotal / _tTotal) return (_rTotal, _tTotal);  
443  return (rSupply, tSupply);  
444  }  
445  
446
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 449

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
448     address spender,  
449     uint256 amount  
450     ) private {  
451     require(owner != address(0), "BEP20: approve from the zero address");  
452     require(spender != address(0), "BEP20: approve to the zero address");  
453 }
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 451

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
450     ) private {
451     require(owner != address(0), "BEP20: approve from the zero address");
452     require(spender != address(0), "BEP20: approve to the zero address");
453     _allowances[owner][spender] = amount;
454     emit Approval(owner, spender, amount);
455 }
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 452

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
451   require(owner != address(0), "BEP20: approve from the zero address");
452   require(spender != address(0), "BEP20: approve to the zero address");
453   _allowances[owner][spender] = amount;
454   emit Approval(owner, spender, amount);
455   }
456
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 506

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
505  _rOwned[sender] = _rOwned[sender] - s.rAmount;
506  _rOwned[recipient] = _rOwned[recipient] + s.rTransferAmount;
507
508  if (s.rRfi > 0 || s.tRfi > 0) _reflectRfi(s.rRfi, s.tRfi);
509  if (s.rMarketing > 0 || s.tMarketing > 0) _takeMarketing(s.rMarketing,
s.tMarketing);
510
```


SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 509

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
508   if (s.rRfi > 0 || s.tRfi > 0) _reflectRfi(s.rRfi, s.tRfi);
509   if (s.rMarketing > 0 || s.tMarketing > 0) _takeMarketing(s.rMarketing,
s.tMarketing);
510   emit Transfer(sender, recipient, s.tTransferAmount);
511   }
512
513
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 510

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
509   if (s.rMarketing > 0 || s.tMarketing > 0) _takeMarketing(s.rMarketing,  
510   s.tMarketing);  
511   emit Transfer(sender, recipient, s.tTransferAmount);  
512   }  
513   function swapAndLiquify() private lockTheSwap {  
514
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 513

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
512
513  function swapAndLiquify() private lockTheSwap {
514
515  uint256 contractBalance = balanceOf(address(this));
516  swapTokensForBNB(contractBalance);
517
```

SWC-101 | ARITHMETIC OPERATION "++" DISCOVERED

LINE 554

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
553
554  function updateSwapTokensAtAmount(uint256 amount) external onlyOwner {
555  require(amount <= 1e15, "Cannot set swap threshold amount higher than 1% of
tokens");
556  swapTokensAtAmount = amount * 10**_decimals;
557  }
558
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 565

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
564
565 //Use this in case BEP20 Tokens are sent to the contract by mistake
566 function rescueAnyBEP20Tokens(address _tokenAddr,address _to, uint256 _amount)
public onlyOwner {
567     require(_tokenAddr != address(this), "Owner can't claim contract's balance of its
own tokens");
568     IBEP20(_tokenAddr).transfer(_to, _amount);
569
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 565

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
564
565 //Use this in case BEP20 Tokens are sent to the contract by mistake
566 function rescueAnyBEP20Tokens(address _tokenAddr,address _to, uint256 _amount)
public onlyOwner {
567     require(_tokenAddr != address(this), "Owner can't claim contract's balance of its
own tokens");
568     IBEP20(_tokenAddr).transfer(_to, _amount);
569
```

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

LINE 338

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
337     function excludeFromFee(address account) public onlyOwner {
338         _isExcludedFromFee[account] = true;
339     }
340
341     function includeInFee(address account) public onlyOwner {
342
```

SWC-103 | A FLOATING PRAGMA IS SET.

LINE 28

low SEVERITY

The current pragma Solidity directive is `""^0.8.17"`. 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

- FROGCEO.sol

Locations

```
27
28  function allowance(address owner, address spender) external view returns (uint256);
29
30  function approve(address spender, uint256 amount) external returns (bool);
31
32
```


SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 337

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
336
337  function excludeFromFee(address account) public onlyOwner {
338  _isExcludedFromFee[account] = true;
339  }
340
341
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 338

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
337 function excludeFromFee(address account) public onlyOwner {  
338     _isExcludedFromFee[account] = true;  
339 }  
340  
341 function includeInFee(address account) public onlyOwner {  
342
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 338

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
337 function excludeFromFee(address account) public onlyOwner {  
338     _isExcludedFromFee[account] = true;  
339 }  
340  
341 function includeInFee(address account) public onlyOwner {  
342
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 443

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
442   if (rSupply < _rTotal / _tTotal) return (_rTotal, _tTotal);
443   return (rSupply, tSupply);
444   }
445
446   function _approve(
447
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 446

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
445
446 function _approve(
447     address owner,
448     address spender,
449     uint256 amount
450
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 450

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
449     uint256 amount
450     ) private {
451     require(owner != address(0), "BEP20: approve from the zero address");
452     require(spender != address(0), "BEP20: approve to the zero address");
453     _allowances[owner][spender] = amount;
454
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 451

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
450     ) private {
451     require(owner != address(0), "BEP20: approve from the zero address");
452     require(spender != address(0), "BEP20: approve to the zero address");
453     _allowances[owner][spender] = amount;
454     emit Approval(owner, spender, amount);
455 }
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 537

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
536 0, // accept any amount of ETH
537 path,
538 address(this),
539 block.timestamp
540 );
541
```


SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 539

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
538     address(this),  
539     block.timestamp  
540     );  
541 }  
542  
543
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 554

low SEVERITY

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

Source File

- FROGCEO.sol

Locations

```
553
554  function updateSwapTokensAtAmount(uint256 amount) external onlyOwner {
555  require(amount <= 1e15, "Cannot set swap threshold amount higher than 1% of
tokens");
556  swapTokensAtAmount = amount * 10**_decimals;
557  }
558
```

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