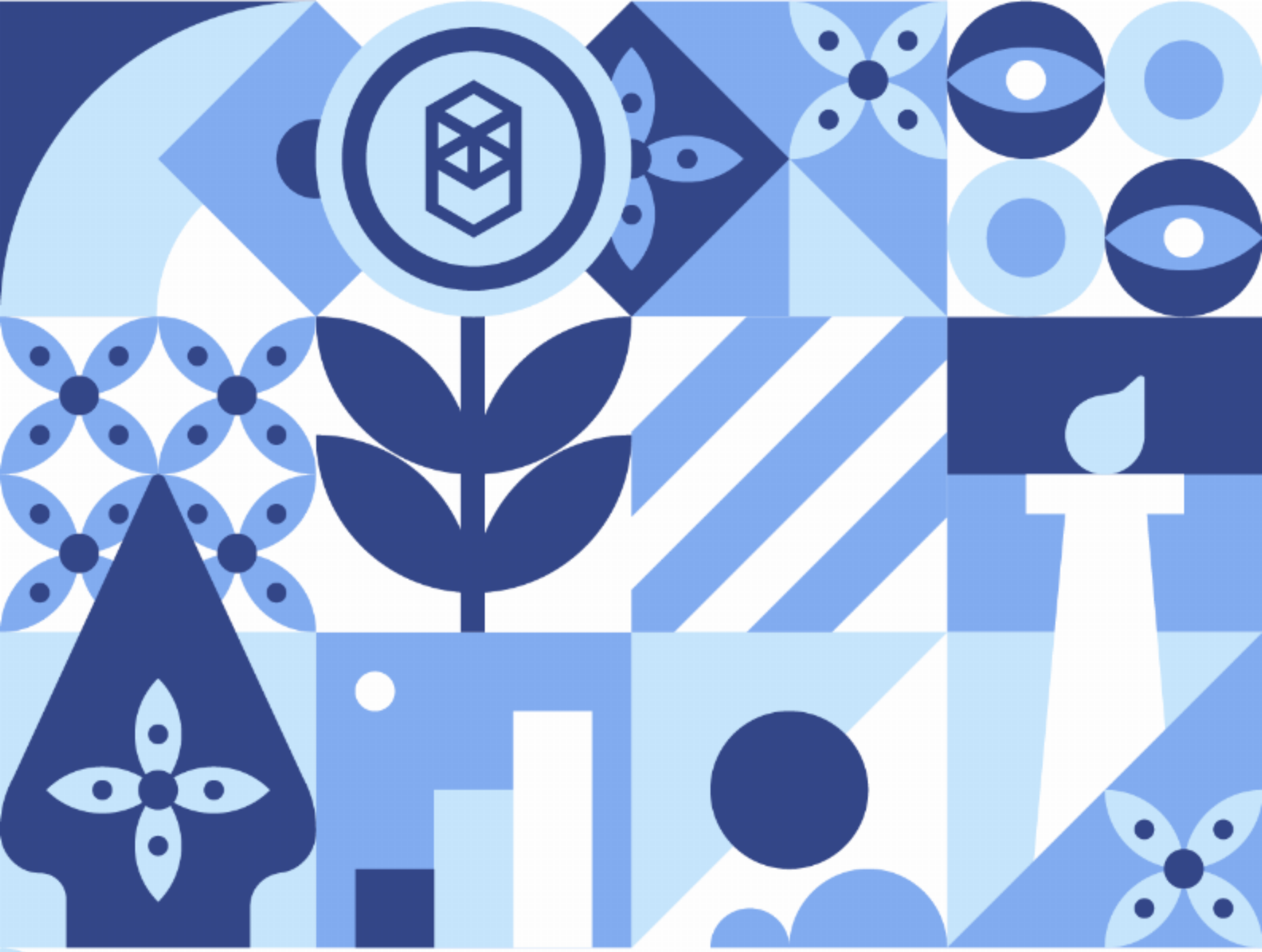

JEFE TOKEN

Smart Contract Audit Report

SYSFIXED

10 May 2021

TABLE OF CONTENTS

AUDITED DETAILS

Audited Project

Project name	Token ticker	Blockchain
JEFE TOKEN	JEFE	Fantom

Addresses

Contract address	0x5b2af7fd27e2ea14945c82dd254c79d3ed34685e
Contract deployer address	0xdBeA55Bad7404F00DF5cd12d30d2086151E83950

Project Website

https://twitter.com/jefetoken

Codebase

https://ftmscan.com/address/0x5b2af7fd27e2ea14945c82dd254c79d3ed34685e#code

SUMMARY

Jefe TOKEN is a top-notch Gaming Platform to bring mass adoption of Cryptocurrency to the world, as they utilize our art NFTs with unique utility in their Play 2 Earn games. They are working on integrating NFTs and a Metaverse ecosystem, being the first cross-blockchain gaming platform from Latin America.

Contract Summary

Documentation Quality

JEFE TOKEN provides a very good documentation with standard of solidity base code.

- The technical description is provided clearly and structured and also dont have any high risk issue.

Code Quality

The Overall quality of the basecode is standard.

- Standard solidity basecode and rules are already followed by JEFE 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 472.
- SWC-101 | It is recommended to use vetted safe math libraries for arithmetic operations consistently on lines 45, 57, 67, 68, 80, 92, 463, 463, 463, 463, 464, 464, 474, 474, 474, 474, 475, 475, 475, 475, 633, 681, 708, 714 and 721.
- SWC-103 | Pragma statements can be allowed to float when a contract is intended on lines 14.
- 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 682, 682, 683, 684, 815 and 816.

CONCLUSION

We have audited the JEFE TOKEN project released in May 2021 to discover issues and identify potential security vulnerabilities in JEFE 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 JEFE 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, and out-of-bounds array access which the index access expression can cause an exception in case of the use of an invalid array index value.

AUDIT RESULT

Article	Category	Description	Result
Default Visibility	SWC-100 SWC-108	Functions and state variables visibility should be set explicitly. Visibility levels should be specified consciously.	ISSUE FOUND
Integer Overflow and Underflow	SWC-101	If unchecked math is used, all math operations should be safe from overflows and underflows.	ISSUE FOUND
Outdated Compiler Version	SWC-102	It is recommended to use a recent version of the Solidity compiler.	PASS
Floating Pragma	SWC-103	Contracts should be deployed with the same compiler version and flags that they have been tested thoroughly.	ISSUE FOUND
Unchecked Call Return Value	SWC-104	The return value of a message call should be checked.	PASS
Unprotected Ether Withdrawal	SWC-105	Due to missing or insufficient access controls, malicious parties can withdraw from the contract.	PASS
SELFDESTRUCT Instruction	SWC-106	The contract should not be self-destructible while it has funds belonging to users.	PASS
Reentrancy	SWC-107	Check effect interaction pattern should be followed if the code performs recursive call.	PASS
Uninitialized Storage Pointer	SWC-109	Uninitialized local storage variables can point to unexpected storage locations in the contract.	PASS
Assert Violation	SWC-110 SWC-123	Properly functioning code should never reach a failing assert statement.	ISSUE FOUND
Deprecated Solidity Functions	SWC-111	Deprecated built-in functions should never be used.	PASS
Delegate call to Untrusted Callee	SWC-112	Delegatecalls should only be allowed to trusted addresses.	PASS

DoS (Denial of Service)	SWC-113 SWC-128	Execution of the code should never be blocked by a specific contract state unless required.	PASS
Race Conditions	SWC-114	Race Conditions and Transactions Order Dependency should not be possible.	PASS
Authorization through tx.origin	SWC-115	tx.origin should not be used for authorization.	PASS
Block values as a proxy for time	SWC-116	Block numbers should not be used for time calculations.	PASS
Signature Unique ID	SWC-117 SWC-121 SWC-122	Signed messages should always have a unique id. A transaction hash should not be used as a unique id.	PASS
Incorrect Constructor Name	SWC-118	Constructors are special functions that are called only once during the contract creation.	PASS
Shadowing State Variable	SWC-119	State variables should not be shadowed.	PASS
Weak Sources of Randomness	SWC-120	Random values should never be generated from Chain Attributes or be predictable.	PASS
Write to Arbitrary Storage Location	SWC-124	The contract is responsible for ensuring that only authorized user or contract accounts may write to sensitive storage locations.	PASS
Incorrect Inheritance Order	SWC-125	When inheriting multiple contracts, especially if they have identical functions, a developer should carefully specify inheritance in the correct order. The rule of thumb is to inherit contracts from more /general/ to more /specific/.	PASS
Insufficient Gas Griefing	SWC-126	Insufficient gas 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 abi.encodePacked() with multiple variable length arguments can, in certain situations, lead to a hash collision.	PASS
Hardcoded gas amount	SWC-134	The transfer() and send() functions forward a fixed amount of 2300 gas.	PASS
Unencrypted Private Data	SWC-136	It is a common misconception that private type variables cannot be read.	PASS

SMART CONTRACT ANALYSIS

Started	Sunday May 09 2021 12:31:28 GMT+0000 (Coordinated Universal Time)
Finished	Monday May 10 2021 02:22:11 GMT+0000 (Coordinated Universal Time)
Mode	Standard
Main Source File	JEFE.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
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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-103	A FLOATING PRAGMA IS SET.	low	acknowledged
SWC-108	STATE VARIABLE VISIBILITY IS NOT SET.	low	acknowledged
SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged
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SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 45

low SEVERITY

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

Source File

- JEFE.sol

Locations

```
44   function add(uint256 a, uint256 b) internal pure returns (uint256) {
45   uint256 c = a + b;
46   require(c >= a, "SafeMath: addition overflow");
47
48   return c;
49
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 57

low SEVERITY

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

Source File

- JEFE.sol

Locations

```
56   require(b <= a, errorMessage);
57   uint256 c = a - b;
58
59   return c;
60   }
61
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 67

low SEVERITY

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

Source File

- JEFE.sol

Locations

```
66
67   uint256 c = a * b;
68   require(c / a == b, "SafeMath: multiplication overflow");
69
70   return c;
71
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 68

low SEVERITY

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

Source File

- JEFE.sol

Locations

```
67   uint256 c = a * b;
68   require(c / a == b, "SafeMath: multiplication overflow");
69
70   return c;
71   }
72
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 80

low SEVERITY

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

Source File

- JEFE.sol

Locations

```
79   require(b > 0, errorMessage);
80   uint256 c = a / b;
81   // assert(a == b * c + a % b); // There is no case in which this doesn't hold
82
83   return c;
84
```

SWC-101 | ARITHMETIC OPERATION "%" DISCOVERED

LINE 92

low SEVERITY

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

Source File

- JEFE.sol

Locations

```
91   require(b != 0, errorMessage);
92   return a % b;
93   }
94   }
95
96
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 463

low SEVERITY

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

Source File

- JEFE.sol

Locations

```
462   uint256 private constant MAX = ~uint256(0);
463   uint256 private _tTotal = 1000000000 * 10**6 * 10**9;
464   uint256 private _rTotal = (MAX - (MAX % _tTotal));
465   uint256 private _tFeeTotal;
466   string private _name = "JEFE TOKEN";
467
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 463

low SEVERITY

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

Source File

- JEFE.sol

Locations

```
462   uint256 private constant MAX = ~uint256(0);
463   uint256 private _tTotal = 1000000000 * 10**6 * 10**9;
464   uint256 private _rTotal = (MAX - (MAX % _tTotal));
465   uint256 private _tFeeTotal;
466   string private _name = "JEFE TOKEN";
467
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 463

low SEVERITY

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

Source File

- JEFE.sol

Locations

```
462   uint256 private constant MAX = ~uint256(0);
463   uint256 private _tTotal = 1000000000 * 10**6 * 10**9;
464   uint256 private _rTotal = (MAX - (MAX % _tTotal));
465   uint256 private _tFeeTotal;
466   string private _name = "JEFE TOKEN";
467
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 463

low SEVERITY

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

Source File

- JEFE.sol

Locations

```
462   uint256 private constant MAX = ~uint256(0);
463   uint256 private _tTotal = 1000000000 * 10**6 * 10**9;
464   uint256 private _rTotal = (MAX - (MAX % _tTotal));
465   uint256 private _tFeeTotal;
466   string private _name = "JEFE TOKEN";
467
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 464

low SEVERITY

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

Source File

- JEFE.sol

Locations

```
463   uint256 private _tTotal = 1000000000 * 10**6 * 10**9;
464   uint256 private _rTotal = (MAX - (MAX % _tTotal));
465   uint256 private _tFeeTotal;
466   string private _name = "JEFE TOKEN";
467   string private _symbol = "JEFE";
468
```

SWC-101 | ARITHMETIC OPERATION "%" DISCOVERED

LINE 464

low SEVERITY

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

Source File

- JEFE.sol

Locations

```
463   uint256 private _tTotal = 1000000000 * 10**6 * 10**9;
464   uint256 private _rTotal = (MAX - (MAX % _tTotal));
465   uint256 private _tFeeTotal;
466   string private _name = "JEFE TOKEN";
467   string private _symbol = "JEFE";
468
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 474

low SEVERITY

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

Source File

- JEFE.sol

Locations

```
473   bool public swapAndLiquifyEnabled = true;
474   uint256 public _maxTxAmount = 3000000 * 10**6 * 10**9;
475   uint256 private numTokensSellToAddToLiquidity = 5000000 * 10**6 * 10**9;
476   event MinTokensBeforeSwapUpdated(uint256 minTokensBeforeSwap);
477   event SwapAndLiquifyEnabledUpdated(bool enabled);
478
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 474

low SEVERITY

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

Source File

- JEFE.sol

Locations

```
473   bool public swapAndLiquifyEnabled = true;
474   uint256 public _maxTxAmount = 3000000 * 10**6 * 10**9;
475   uint256 private numTokensSellToAddToLiquidity = 5000000 * 10**6 * 10**9;
476   event MinTokensBeforeSwapUpdated(uint256 minTokensBeforeSwap);
477   event SwapAndLiquifyEnabledUpdated(bool enabled);
478
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 474

low SEVERITY

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

Source File

- JEFE.sol

Locations

```
473   bool public swapAndLiquifyEnabled = true;
474   uint256 public _maxTxAmount = 3000000 * 10**6 * 10**9;
475   uint256 private numTokensSellToAddToLiquidity = 5000000 * 10**6 * 10**9;
476   event MinTokensBeforeSwapUpdated(uint256 minTokensBeforeSwap);
477   event SwapAndLiquifyEnabledUpdated(bool enabled);
478
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 474

low SEVERITY

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

Source File

- JEFE.sol

Locations

```
473   bool public swapAndLiquifyEnabled = true;
474   uint256 public _maxTxAmount = 3000000 * 10**6 * 10**9;
475   uint256 private numTokensSellToAddToLiquidity = 5000000 * 10**6 * 10**9;
476   event MinTokensBeforeSwapUpdated(uint256 minTokensBeforeSwap);
477   event SwapAndLiquifyEnabledUpdated(bool enabled);
478
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 475

low SEVERITY

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

Source File

- JEFE.sol

Locations

```
474   uint256 public _maxTxAmount = 3000000 * 10**6 * 10**9;
475   uint256 private numTokensSellToAddToLiquidity = 5000000 * 10**6 * 10**9;
476   event MinTokensBeforeSwapUpdated(uint256 minTokensBeforeSwap);
477   event SwapAndLiquifyEnabledUpdated(bool enabled);
478   event SwapAndLiquify(
479
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 475

low SEVERITY

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

Source File

- JEFE.sol

Locations

```
474   uint256 public _maxTxAmount = 3000000 * 10**6 * 10**9;
475   uint256 private numTokensSellToAddToLiquidity = 5000000 * 10**6 * 10**9;
476   event MinTokensBeforeSwapUpdated(uint256 minTokensBeforeSwap);
477   event SwapAndLiquifyEnabledUpdated(bool enabled);
478   event SwapAndLiquify(
479
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 475

low SEVERITY

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

Source File

- JEFE.sol

Locations

```
474   uint256 public _maxTxAmount = 3000000 * 10**6 * 10**9;
475   uint256 private numTokensSellToAddToLiquidity = 5000000 * 10**6 * 10**9;
476   event MinTokensBeforeSwapUpdated(uint256 minTokensBeforeSwap);
477   event SwapAndLiquifyEnabledUpdated(bool enabled);
478   event SwapAndLiquify(
479
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 475

low SEVERITY

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

Source File

- JEFE.sol

Locations

```
474   uint256 public _maxTxAmount = 3000000 * 10**6 * 10**9;
475   uint256 private numTokensSellToAddToLiquidity = 5000000 * 10**6 * 10**9;
476   event MinTokensBeforeSwapUpdated(uint256 minTokensBeforeSwap);
477   event SwapAndLiquifyEnabledUpdated(bool enabled);
478   event SwapAndLiquify(
479
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 633

low SEVERITY

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

Source File

- JEFE.sol

Locations

```
632   _maxTxAmount = _tTotal.mul(maxTxPercent).div(
633   10**2
634   );
635   }
636
637
```

SWC-101 | ARITHMETIC OPERATION "++" DISCOVERED

LINE 681

low SEVERITY

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

Source File

- JEFE.sol

Locations

```
680   uint256 tSupply = _tTotal;
681   for (uint256 i = 0; i < _excluded.length; i++) {
682   if (_rOwned[_excluded[i]] > rSupply || _tOwned[_excluded[i]] > tSupply) return
(_rTotal, _tTotal);
683   rSupply = rSupply.sub(_rOwned[_excluded[i]]);
684   tSupply = tSupply.sub(_tOwned[_excluded[i]]);
685
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 708

low SEVERITY

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

Source File

- JEFE.sol

Locations

```
707   return _amount.mul(_vaultFee).div(
708   10**2
709   );
710   }
711
712
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 714

low SEVERITY

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

Source File

- JEFE.sol

Locations

```
713   return _amount.mul(_taxFee).div(
714   10**2
715   );
716   }
717
718
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 721

low SEVERITY

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

Source File

- JEFE.sol

Locations

```
720   return _amount.mul(_liquidityFee).div(
721   10**2
722   );
723   }
724
725
```

SWC-103 | A FLOATING PRAGMA IS SET.

LINE 14

low SEVERITY

The current pragma Solidity directive is ""^0.8.4"". 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

- JEFE.sol

Locations

```
13
14   pragma solidity ^0.8.4;
15
16
17   abstract contract Context {
18
```

SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 472

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

- JEFE.sol

Locations

```
471   address public immutable uniswapV2Pair;
472   bool inSwapAndLiquify;
473   bool public swapAndLiquifyEnabled = true;
474   uint256 public _maxTxAmount = 3000000 * 10**6 * 10**9;
475   uint256 private numTokensSellToAddToLiquidity = 5000000 * 10**6 * 10**9;
476
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 682

low SEVERITY

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

Source File

- JEFE.sol

Locations

```
681   for (uint256 i = 0; i < _excluded.length; i++) {
682   if (_rOwned[_excluded[i]] > rSupply || _tOwned[_excluded[i]] > tSupply) return
(_rTotal, _tTotal);
683   rSupply = rSupply.sub(_rOwned[_excluded[i]]);
684   tSupply = tSupply.sub(_tOwned[_excluded[i]]);
685   }
686
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 682

low SEVERITY

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

Source File

- JEFE.sol

Locations

```
681   for (uint256 i = 0; i < _excluded.length; i++) {
682   if (_rOwned[_excluded[i]] > rSupply || _tOwned[_excluded[i]] > tSupply) return
(_rTotal, _tTotal);
683   rSupply = rSupply.sub(_rOwned[_excluded[i]]);
684   tSupply = tSupply.sub(_tOwned[_excluded[i]]);
685   }
686
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 683

low SEVERITY

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

Source File

- JEFE.sol

Locations

```
682   if (_rOwned[_excluded[i]] > rSupply || _tOwned[_excluded[i]] > tSupply) return
(_rTotal, _tTotal);
683   rSupply = rSupply.sub(_rOwned[_excluded[i]]);
684   tSupply = tSupply.sub(_tOwned[_excluded[i]]);
685   }
686   if (rSupply < _rTotal.div(_tTotal)) return (_rTotal, _tTotal);
687
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 684

low SEVERITY

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

Source File

- JEFE.sol

Locations

```
683   rSupply = rSupply.sub(_rOwned[_excluded[i]]);
684   tSupply = tSupply.sub(_tOwned[_excluded[i]]);
685   }
686   if (rSupply < _rTotal.div(_tTotal)) return (_rTotal, _tTotal);
687   return (rSupply, tSupply);
688
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 815

low SEVERITY

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

Source File

- JEFE.sol

Locations

```
814   address[] memory path = new address[](2);
815   path[0] = address(this);
816   path[1] = uniswapV2Router.WETH();
817
818   _approve(address(this), address(uniswapV2Router), tokenAmount);
819
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 816

low SEVERITY

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

Source File

- JEFE.sol

Locations

```
815   path[0] = address(this);
816   path[1] = uniswapV2Router.WETH();
817
818   _approve(address(this), address(uniswapV2Router), tokenAmount);
819
820
```

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Sysfixed is a blockchain security certification organization established in 2021 with the objective to provide smart contract security services and verify their correctness in blockchain-based protocols. Sysfixed automatically scans for security vulnerabilities in Ethereum and other EVM-based blockchain smart contracts. Sysfixed a comprehensive range of analysis techniques—including static analysis, dynamic analysis, and symbolic execution—can accurately detect security vulnerabilities to provide an in-depth analysis report. With a vibrant ecosystem of world-class integration partners that amplify developer productivity, Sysfixed can be utilized in all phases of your project's lifecycle. Our team of security experts is dedicated to the research and improvement of our tools and techniques used to fortify your code.