KISEKI

Smart Contract Audit Report

SYSFIXED

29 Jan 2023

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AUDITED DETAILS

Audited Project

Project name	Token ticker	Blockchain
KISEKI	KISEKI	Binance Smart Chain

Addresses

Contract address	0xD60F5491460903D090cE602E47b0BbF91eb5Da57
Contract deployer address	0x694981b6F83fea88C2Bbd1b7BAEEd9FA2330e5b4

Project Website

https://www.kisekiwallet.net/

Codebase

https://bscscan.com/address/0xD60F5491460903D090cE602E47b0BbF91eb5Da57#code

SUMMARY

Revolutionize the way you access Web3 Kiseki Wallet is a powerful and beautifully designed, all-in-one DeFi tool, which will give traders an advantage in speed, security, and versatility, through a variety of unique features its ZERO tax, Snipe Tokens, Multi-Wallet Functionality & Swap, Future Features: In-Wallet Governance, Launchpad, Release on iOS & Android, TG, YouTube, TikTok, Exclusive NFT Airdrop, for the FIRST 250 qualified buyers, Demo Live.

Contract Summary

Documentation Quality

KISEKI 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 KISEKI 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 174, 191, 207, 229, 231, 243, 244, 655, 655, 655, 656, 733, 774, 774, 776, 776, 780, 807, 807, 811, 811 and 822.
- 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 791 and 792.

CONCLUSION

We have audited the NamaProject Coin which has released on January 2023 to discover issues and identify potential security vulnerabilities in NamaProject Project. This process is used to find bugs, technical issues, and security loopholes that find some common issues in the code.

The security audit report provides a satisfactory result with some low-risk issues.

The most common issue found in writing code on contracts that do not pose a big risk, writing on contracts is close to the standard of writing contracts in general. Some of the low issues were Out of bounds array access. Be aware 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.	PASS
Unchecked Call Return Value	SWC-104	The return value of a message call should be checked.	PASS
Unprotected Ether Withdrawal	SWC-105	Due to missing or insufficient access controls, malicious parties can withdraw from the contract.	PASS
SELFDESTRUCT Instruction	SWC-106	The contract should not be self-destructible while it has funds belonging to users.	PASS
Reentrancy	SWC-107	Check effect interaction pattern should be followed if the code performs recursive call.	PASS
Uninitialized Storage Pointer	SWC-109	Uninitialized local storage variables can point to unexpected storage locations in the contract.	PASS
Assert Violation	SWC-110 SWC-123	Properly functioning code should never reach a failing assert statement.	ISSUE FOUND
Deprecated Solidity Functions	SWC-111	Deprecated built-in functions should never be used.	PASS
Delegate call to Untrusted Callee	SWC-112	Delegatecalls should only be allowed to trusted addresses.	PASS

DoS (Denial of Service)	SWC-113 SWC-128	Execution of the code should never be blocked by a specific contract state unless required.	PASS
Race Conditions	SWC-114	Race Conditions and Transactions Order Dependency should not be possible.	PASS
Authorization through tx.origin	SWC-115	tx.origin should not be used for authorization.	PASS
Block values as a proxy for time	SWC-116	Block numbers should not be used for time calculations.	PASS
Signature Unique ID	SWC-117 SWC-121 SWC-122	Signed messages should always have a unique id. A transaction hash should not be used as a unique id.	PASS
Incorrect Constructor Name	SWC-118	Constructors are special functions that are called only once during the contract creation.	PASS
Shadowing State Variable	SWC-119	State variables should not be shadowed.	PASS
Weak Sources of Randomness	SWC-120	Random values should never be generated from Chain Attributes or be predictable.	PASS
Write to Arbitrary Storage Location	SWC-124	The contract is responsible for ensuring that only authorized user or contract accounts may write to sensitive storage locations.	PASS
Incorrect Inheritance Order	SWC-125	When inheriting multiple contracts, especially if they have identical functions, a developer should carefully specify inheritance in the correct order. The rule of thumb is to inherit contracts from more /general/ to more /specific/.	PASS
Insufficient Gas Griefing	SWC-126	Insufficient gas griefing attacks can be performed on contracts which accept data and use it in a sub-call on another contract.	PASS
Arbitrary Jump Function	SWC-127	As Solidity doesnt support pointer arithmetics, it is impossible to change such variable to an arbitrary value.	PASS

SMART CONTRACT ANALYSIS

Started	Saturday Jan 28 2023 03:26:39 GMT+0000 (Coordinated Universal Time)
Finished	Sunday Jan 29 2023 09:53:22 GMT+0000 (Coordinated Universal Time)
Mode	Standard
Main Source File	KISEKI.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-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged
SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 174

low SEVERITY

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

Source File

- KISEKI.sol

Locations

```
173   unchecked {
174   _approve(sender, _msgSender(), currentAllowance - amount);
175   }
176   }
177
178
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 191

low SEVERITY

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

Source File

- KISEKI.sol

Locations

```
190   spender,
191   _allowances[_msgSender()][spender] + addedValue
192   );
193   return true;
194   }
195
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 207

low SEVERITY

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

Source File

- KISEKI.sol

Locations

```
206   unchecked {
207   _approve(_msgSender(), spender, currentAllowance - subtractedValue);
208   }
209
210   return true;
211
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 229

low SEVERITY

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

Source File

- KISEKI.sol

Locations

```
228   unchecked {
229   _balances[sender] = senderBalance - amount;
230   }
231   _balances[recipient] += amount;
232
233
```

SWC-101 | ARITHMETIC OPERATION "+=" DISCOVERED

LINE 231

low SEVERITY

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

Source File

- KISEKI.sol

Locations

```
230   }
231   _balances[recipient] += amount;
232
233   emit Transfer(sender, recipient, amount);
234
235
```

SWC-101 | ARITHMETIC OPERATION "+=" DISCOVERED

LINE 243

low SEVERITY

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

Source File

- KISEKI.sol

Locations

```
242
243   _totalSupply += amount;
244   _balances[account] += amount;
245   emit Transfer(address(0), account, amount);
246
247
```

SWC-101 | ARITHMETIC OPERATION "+=" DISCOVERED

LINE 244

low SEVERITY

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

Source File

- KISEKI.sol

Locations

```
243   _totalSupply += amount;
244   _balances[account] += amount;
245   emit Transfer(address(0), account, amount);
246
247   _afterTokenTransfer(address(0), account, amount);
248
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 655

low SEVERITY

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

Source File

- KISEKI.sol

Locations

```
654
655   _mint(owner(), 10**8 * (10**18));
656   swapTokensAtAmount = totalSupply() / 5000;
657   }
658
659
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 655

low SEVERITY

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

Source File

- KISEKI.sol

Locations

```
654
655   _mint(owner(), 10**8 * (10**18));
656   swapTokensAtAmount = totalSupply() / 5000;
657   }
658
659
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 655

low SEVERITY

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

Source File

- KISEKI.sol

Locations

```
654
655   _mint(owner(), 10**8 * (10**18));
656   swapTokensAtAmount = totalSupply() / 5000;
657   }
658
659
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 656

low SEVERITY

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

Source File

- KISEKI.sol

Locations

```
655   _mint(owner(), 10**8 * (10**18));
656   swapTokensAtAmount = totalSupply() / 5000;
657   }
658
659   receive() external payable {}
660
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 733

low SEVERITY

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

Source File

- KISEKI.sol

Locations

```
732   require(
733   newAmount > totalSupply() / 100000,
734   "SwapTokensAtAmount must be greater than 0.001% of total supply"
735   );
736   swapTokensAtAmount = newAmount;
737
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 774

low SEVERITY

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

Source File

- KISEKI.sol

Locations

```
773   if (from == uniswapV2Pair) {
774   fees = (amount * feeOnBuy) / 100;
775   } else if (to == uniswapV2Pair) {
776   fees = (amount * feeOnSell) / 100;
777   } else {
778
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 774

low SEVERITY

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

Source File

- KISEKI.sol

Locations

```
773   if (from == uniswapV2Pair) {
774   fees = (amount * feeOnBuy) / 100;
775   } else if (to == uniswapV2Pair) {
776   fees = (amount * feeOnSell) / 100;
777   } else {
778
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 776

low SEVERITY

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

Source File

- KISEKI.sol

Locations

```
775   } else if (to == uniswapV2Pair) {
776   fees = (amount * feeOnSell) / 100;
777   } else {
778   fees = 0;
779   }
780
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 776

low SEVERITY

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

Source File

- KISEKI.sol

Locations

```
775   } else if (to == uniswapV2Pair) {
776   fees = (amount * feeOnSell) / 100;
777   } else {
778   fees = 0;
779   }
780
```

SWC-101 | ARITHMETIC OPERATION "-=" DISCOVERED

LINE 780

low SEVERITY

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

Source File

- KISEKI.sol

Locations

```
779   }
780   amount -= fees;
781   if (fees > 0) {
782   super._transfer(from, address(this), fees);
783   }
784
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 807

low SEVERITY

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

Source File

- KISEKI.sol

Locations

```
806   payable(marketingWallet),
807   (addressBalance * marketingShare) / SHAREDIVISOR
808   );
809   sendBNB(
810   payable(devWallet),
811
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 807

low SEVERITY

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

Source File

- KISEKI.sol

Locations

```
806   payable(marketingWallet),
807   (addressBalance * marketingShare) / SHAREDIVISOR
808   );
809   sendBNB(
810   payable(devWallet),
811
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 811

low SEVERITY

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

Source File

- KISEKI.sol

Locations

```
810   payable(devWallet),
811   (addressBalance * teamShare) / SHAREDIVISOR
812   );
813
814   emit SwapAndSendFee(tokenAmount, newBalance);
815
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 811

low SEVERITY

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

Source File

- KISEKI.sol

Locations

```
810   payable(devWallet),
811   (addressBalance * teamShare) / SHAREDIVISOR
812   );
813
814   emit SwapAndSendFee(tokenAmount, newBalance);
815
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 822

low SEVERITY

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

Source File

- KISEKI.sol

Locations

```
821   require(
822   newTeamShare + newMarketingShare == SHAREDIVISOR,
823   "Sum of shares must be 100"
824   );
825
826
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 791

low SEVERITY

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

Source File

- KISEKI.sol

Locations

```
790   address[] memory path = new address[](2);
791   path[0] = address(this);
792   path[1] = uniswapV2Router.WETH();
793
794   uniswapV2Router.swapExactTokensForETHSupportingFeeOnTransferTokens(
795
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 792

low SEVERITY

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

Source File

- KISEKI.sol

Locations

```
791   path[0] = address(this);
792   path[1] = uniswapV2Router.WETH();
793
794   uniswapV2Router.swapExactTokensForETHSupportingFeeOnTransferTokens(
795   tokenAmount,
796
```

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