

**SOLIDITY.FINANCE**

Vacay - Audit Report

S U M M A R Y



Vacay is a new Defi token on the Binance Smart Chain with the objective of making cryptocurrency payments a mainstream option for international travelers and the broader hospitality industry.

We audited Vacay's token contract contract at 0xA3424FB48b9FA2FF8D3366eD91f36b4cDa7cAdd8 on the Binance Smart Chain mainnet.

Overview of the Contract:

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address, if desired.

- *As of the date of this report, 48.5% of the token's supply has been sent to the 0xdead address.*
- *45% of the supply was sent to a presale contract.*
- *Pancakeswap does not yet have liquidity.*
- *The team retained 4.85% in a seperate "marketing" address.*
- *Vacay's code implements and builds upon the fee-redistribution features pioneered by Reflect Finance.*
- *Users who hold tokens will automatically receive a portion the fees from a transaction tax on each transfer.*
- *A portion of the fee charged on transactions is stored in the contract and, once a threshold value is met, used to fund PancakeSwap liquidity.*
- *Liquidity-adds are funded by selling half of the tokens collected as fees, pairing the received BNB with the token, and adding it as liquidity to the BNB pair.*
- *The owner will receive the LP tokens from this process.*
- *The owner of the contract can exclude and include users from transfer fees, update the maximum transaction amount, update the fee percentages and update how the fees are allocated.*
- *Some functions could have been declared external instead of*

.....

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- *The contract utilizes SafeMath libraries to prevent overflows along with following the BEP20 standard.*

Audit Findings Summary

- *No security issues were identified in our analysis.*
- *As with any presale, ensure trust in the team prior to investing.*
- *Further, ensure trust in the team as they have substantial control in the ecosystem. We advise that the team renounces ownership after launch.*
- *Date: May 28th, 2021*

EXTERNAL THREAT RESULTS

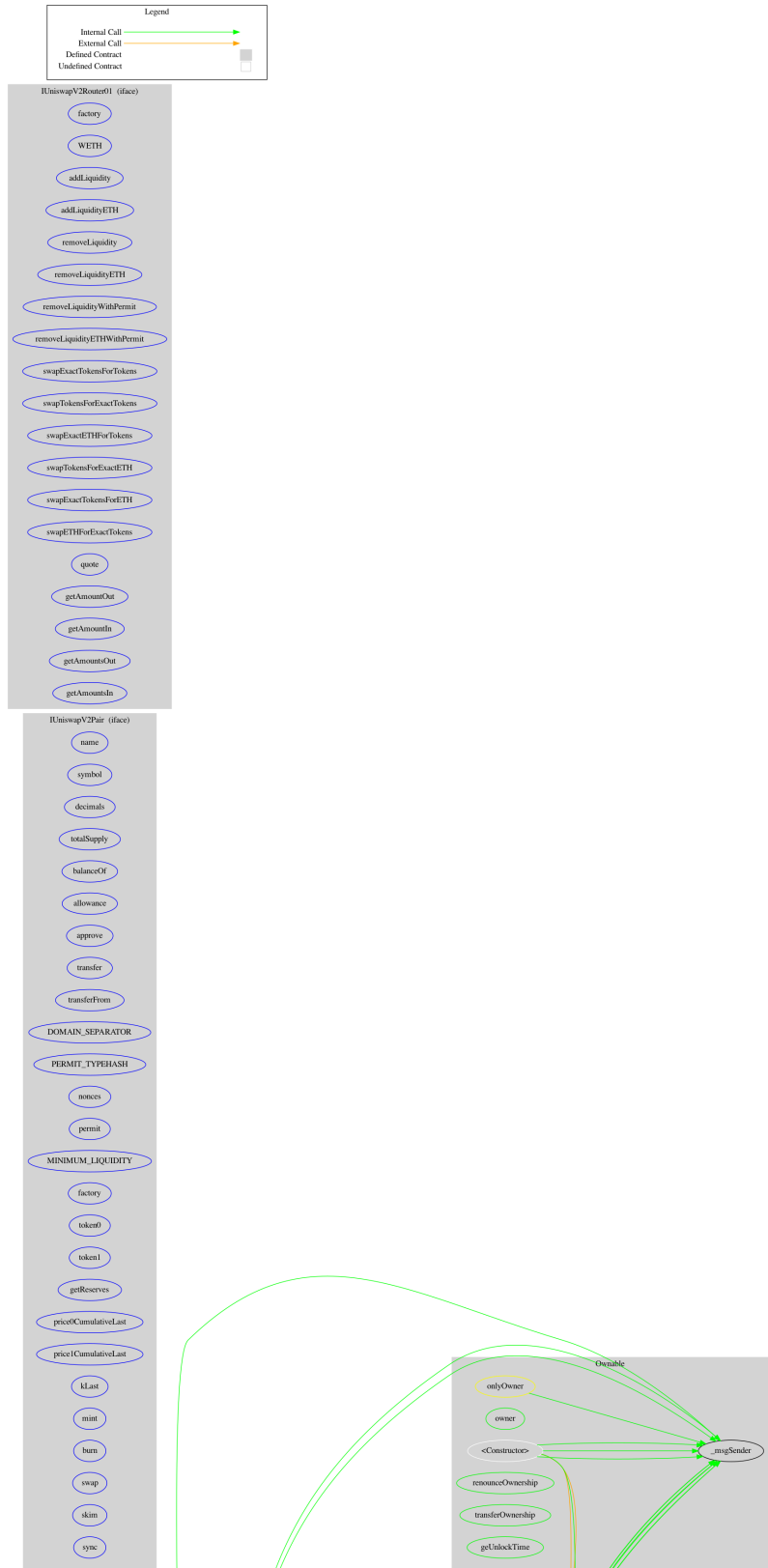
Vulnerability Category	Notes	Result
Arbitrary Storage Write	N/A	PASS
Arbitrary Jump	N/A	PASS
Delegate Call to Untrusted Contract	N/A	PASS
Dependence on Predictable Variables	N/A	PASS

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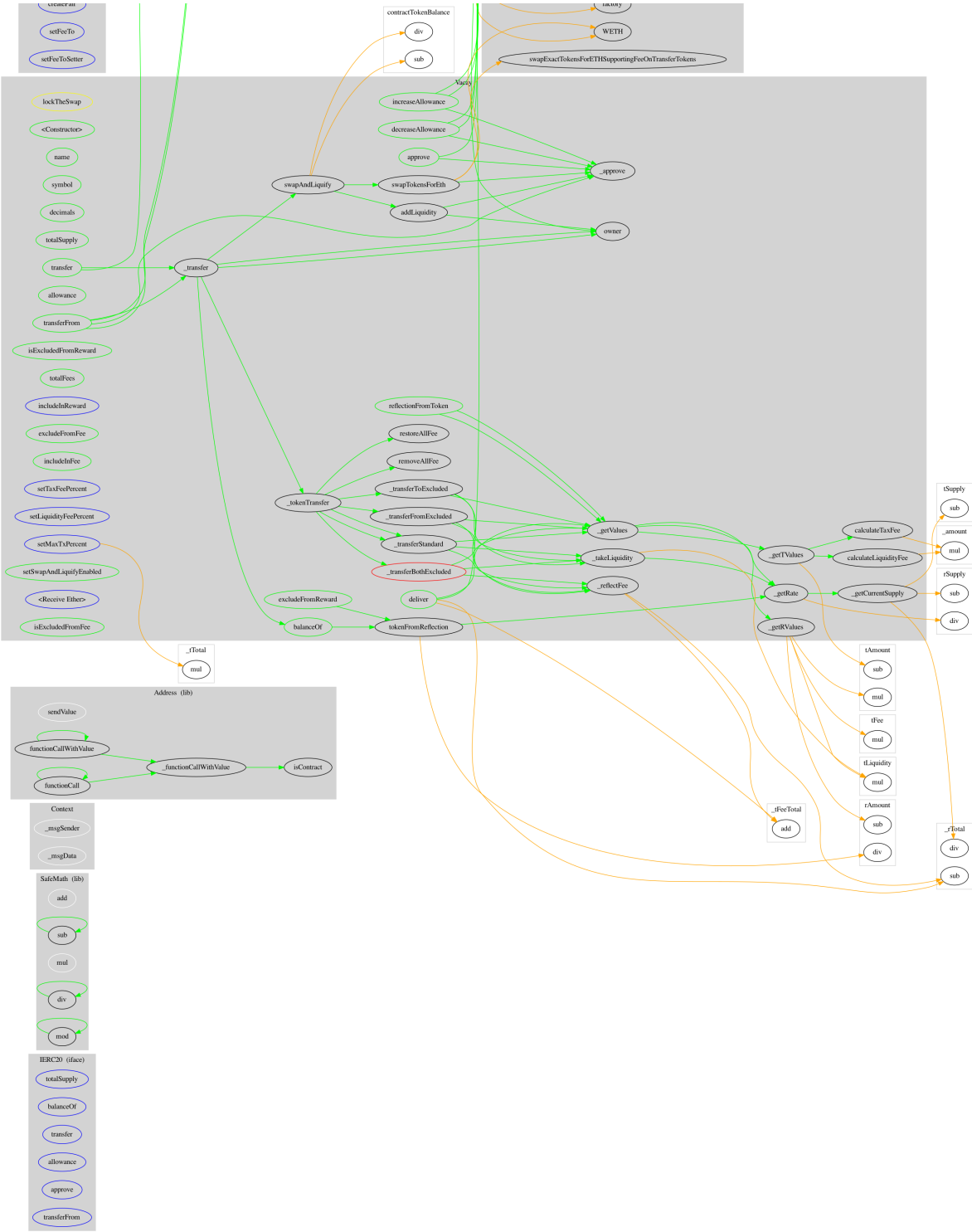
Vulnerability Category	Notes	Result
Ether Thief	N/A	PASS
Exceptions	N/A	PASS
External Calls	N/A	PASS
Flash Loans	N/A	PASS
Integer Over/Underflow	N/A	PASS
Multiple Sends	N/A	PASS
Oracles	N/A	PASS
Suicide	N/A	PASS
State Change External Calls	N/A	Pass
Unchecked Retval	N/A	PASS
User Supplied Assertion	N/A	PASS
Critical Solidity Compiler	N/A	PASS

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FUNCTION GRAPH

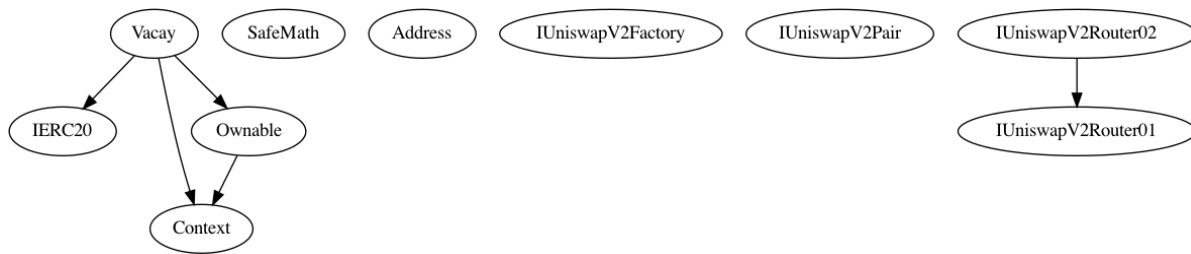


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INHERITENCE CHART

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FUNCTIONS OVERVIEW

($\$$) = payable function
 # = non-constant function

```
+ [Int] IERC20
  - [Ext] totalSupply
  - [Ext] balanceOf
  - [Ext] transfer #
  - [Ext] allowance
  - [Ext] approve #
  - [Ext] transferFrom #
```

```
+ [Lib] SafeMath
  - [Int] add
  - [Int] sub
  - [Int] sub
  - [Int] mul
  - [Int] div
  - [Int] div
  - [Int] mod
  - [Int] mod
```

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```
- [Int] _msgData

+ [Lib] Address
  - [Int] isContract
  - [Int] sendValue #
  - [Int] functionCall #
  - [Int] functionCall #
  - [Int] functionCallWithValue #
  - [Int] functionCallWithValue #
  - [Prv] _functionCallWithValue #

+ Ownable (Context)
  - [Int] #
  - [Pub] owner
  - [Pub] renounceOwnership #
    - modifiers: onlyOwner
  - [Pub] transferOwnership #
    - modifiers: onlyOwner
  - [Pub] geUnlockTime
  - [Pub] lock #
    - modifiers: onlyOwner
  - [Pub] unlock #

+ [Int] IUniswapV2Factory
  - [Ext] feeTo
  - [Ext] feeToSetter
  - [Ext] getPair
  - [Ext] allPairs
  - [Ext] allPairsLength
```

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```
+ [Int] IUniswapV2Pair
  - [Ext] name
  - [Ext] symbol
  - [Ext] decimals
  - [Ext] totalSupply
  - [Ext] balanceOf
  - [Ext] allowance
  - [Ext] approve #
  - [Ext] transfer #
  - [Ext] transferFrom #
  - [Ext] DOMAIN_SEPARATOR
  - [Ext] PERMIT_TYPEHASH
  - [Ext] nonces
  - [Ext] permit #
  - [Ext] MINIMUM_LIQUIDITY
  - [Ext] factory
  - [Ext] token0
  - [Ext] token1
  - [Ext] getReserves
  - [Ext] price0CumulativeLast
  - [Ext] price1CumulativeLast
  - [Ext] kLast
  - [Ext] mint #
  - [Ext] burn #
  - [Ext] swap #
  - [Ext] skim #
  - [Ext] sync #
  - [Ext] initialize #
```

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```

- [Ext] WETH
- [Ext] addLiquidity #
- [Ext] addLiquidityETH ($)
- [Ext] removeLiquidity #
- [Ext] removeLiquidityETH #
- [Ext] removeLiquidityWithPermit #
- [Ext] removeLiquidityETHWithPermit #
- [Ext] swapExactTokensForTokens #
- [Ext] swapTokensForExactTokens #
- [Ext] swapExactETHForTokens ($)
- [Ext] swapTokensForExactETH #
- [Ext] swapExactTokensForETH #
- [Ext] swapETHForExactTokens ($)
- [Ext] quote
- [Ext] getAmountOut
- [Ext] getAmountIn
- [Ext] getAmountsOut
- [Ext] getAmountsIn

+ [Int] IUniswapV2Router02 (IUniswapV2Router01)
- [Ext] removeLiquidityETHSupportingFeeOnTransferT
- [Ext] removeLiquidityETHWithPermitSupportingFeeO
- [Ext] swapExactTokensForTokensSupportingFeeOnTra
- [Ext] swapExactETHForTokensSupportingFeeOnTransf
- [Ext] swapExactTokensForETHSupportingFeeOnTransf

+ Vacay (Context, IERC20, Ownable)
- [Pub] #
- [Pub] name

```

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```
- [Pub] balanceOf
- [Pub] transfer #
- [Pub] allowance
- [Pub] approve #
- [Pub] transferFrom #
- [Pub] increaseAllowance #
- [Pub] decreaseAllowance #
- [Pub] isExcludedFromReward
- [Pub] totalFees
- [Pub] deliver #
- [Pub] reflectionFromToken
- [Pub] tokenFromReflection
- [Pub] excludeFromReward #
    - modifiers: onlyOwner
- [Ext] includeInReward #
    - modifiers: onlyOwner
- [Prv] _transferBothExcluded #
- [Pub] excludeFromFee #
    - modifiers: onlyOwner
- [Pub] includeInFee #
    - modifiers: onlyOwner
- [Ext] setTaxFeePercent #
    - modifiers: onlyOwner
- [Ext] setLiquidityFeePercent #
    - modifiers: onlyOwner
- [Ext] setMaxTxPercent #
    - modifiers: onlyOwner
- [Pub] setSwapAndLiquifyEnabled #
    - modifiers: onlyOwner
```

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```
- [Prv] _getTValues
- [Prv] _getRValues
- [Prv] _getRate
- [Prv] _getCurrentSupply
- [Prv] _takeLiquidity #
- [Prv] calculateTaxFee
- [Prv] calculateLiquidityFee
- [Prv] removeAllFee #
- [Prv] restoreAllFee #
- [Pub] isExcludedFromFee
- [Prv] _approve #
- [Prv] _transfer #
- [Prv] swapAndLiquify #
    - modifiers: lockTheSwap
- [Prv] swapTokensForEth #
- [Prv] addLiquidity #
- [Prv] _tokenTransfer #
- [Prv] _transferStandard #
- [Prv] _transferToExcluded #
- [Prv] _transferFromExcluded #
```

SOURCE CODE

[Click here to download the source code as a .sol file.](#)

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G O H O M E

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