PIXL - Audit Report

SUMMARY

PIXL is a new competitor in the meme-coin space that provides for frictionless fee redistribution and liquidity adds.

We audited PIXL's token contract at 0x5b2b5bd1e5c53870fe135fb7b289d686f762858d on the Binance Smart Chain mainnet.

> *Overview of the Contract:*
>
> - *The total supply of the token is set to one quadrillion.*
> - *No mint or burn functions are present; though the circulating supply can be reduced by sending tokens to the 0x..dead address, if desired.*
> - *As of the date of this report, ~24% of the token's supply is in the Pancakeswap pair. 95% of liquidity is locked for 5 years.*

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- *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 liqudity.*
- *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.*
- *There is a transfer limit of 5 trillion tokens per transaction.*

- *The owner of the contract can exclude and include users from transfer fees, update the maximum transaciton amount, update the fee percentages and update how the fees are allocated.*
- *The team has renounced ownership, so the they can no longer update any of the tax variables or exclude any accounts as mentioned above.*
- *The contract utilizes SafeMath libraries to prevent overflows along with following the BEP20 standard.*

Audit Findings Summary

- *No external threats were identified in our analysis.*
- *Date: April 15th, 2021*

EXTERNAL THREAT RESULTS

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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
Deprecated Opcodes	N/A	PASS
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

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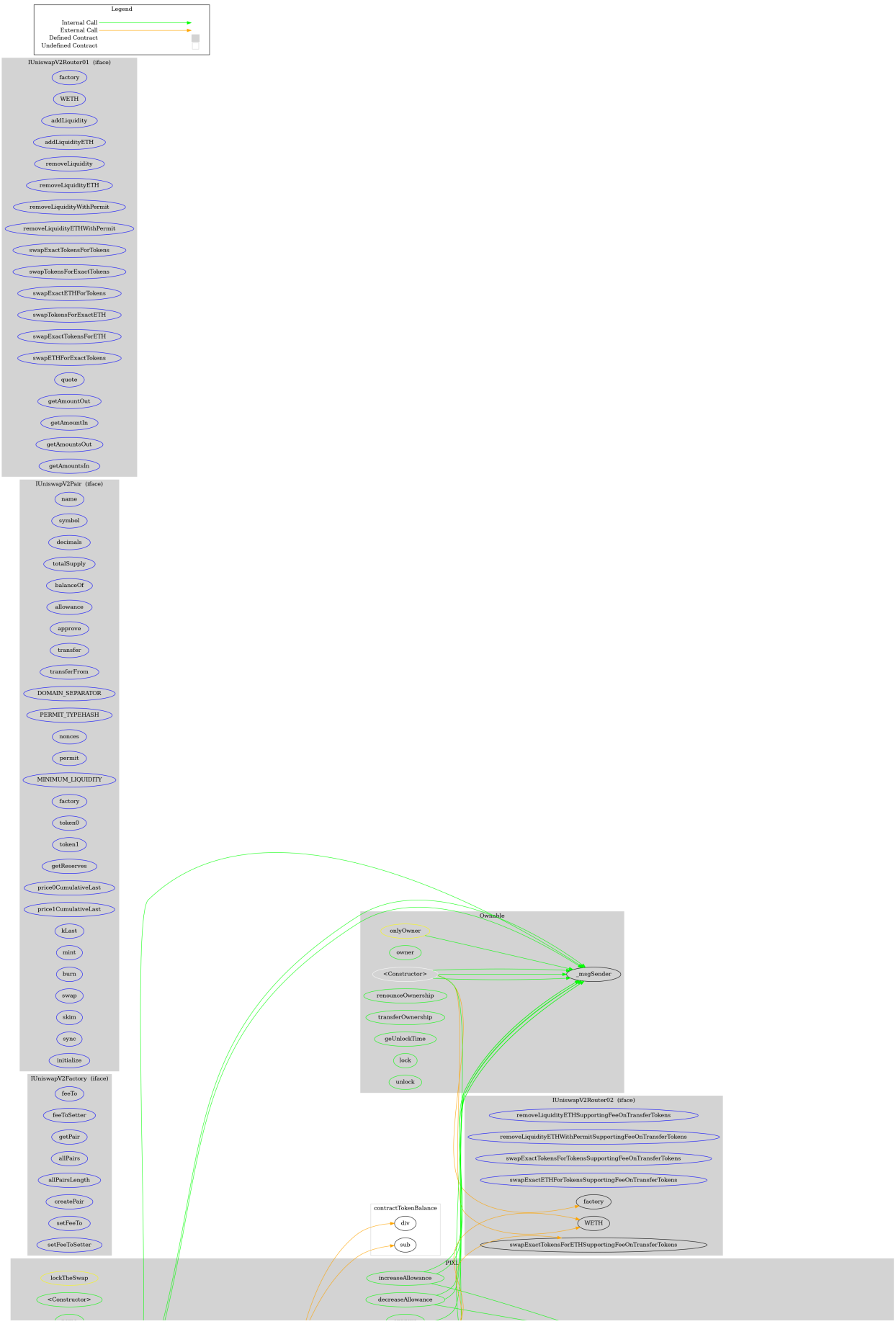
FUNCTION GRAPH



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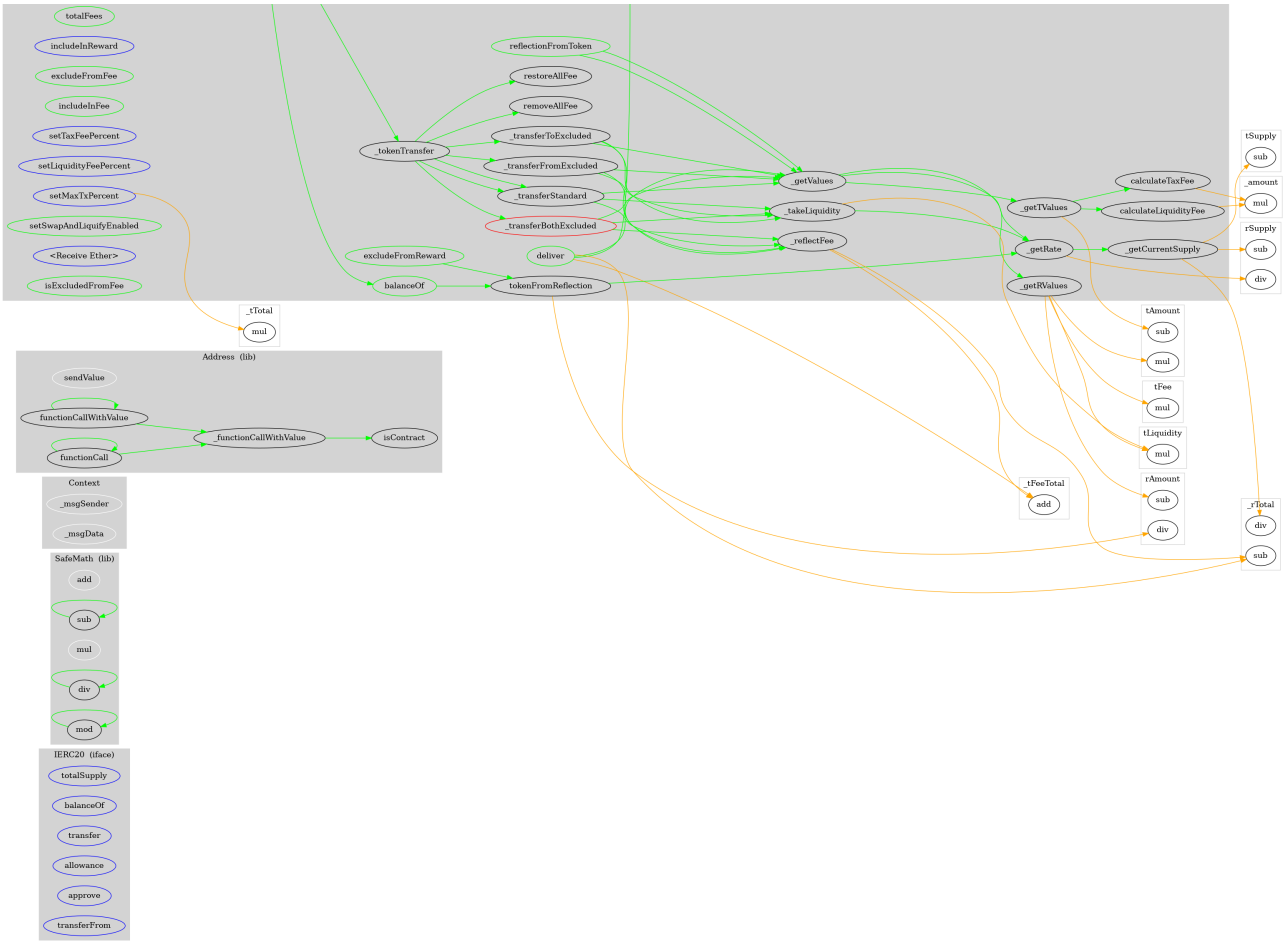
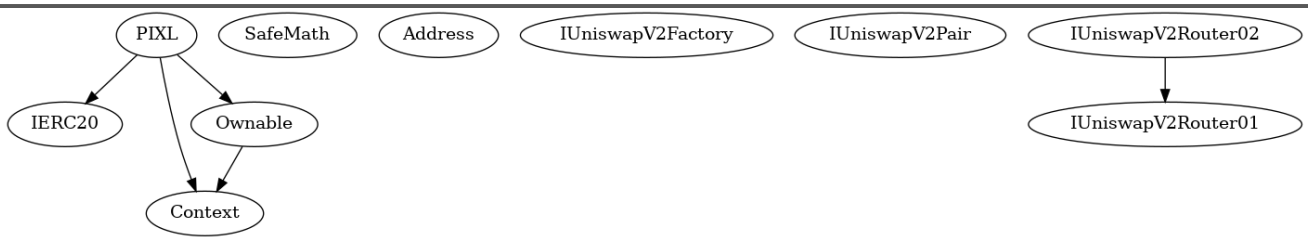


INHERITENCE CHART



FUNCTIONS OVERVIEW

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

 + [Int] IERC20
```

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```
    - [Ext] allowance
    - [Ext] approve #
    - [Ext] transferFrom #

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

+  Context
    - [Int] _msgSender
    - [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
```

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```
        - modifiers: onlyOwner
    - [Pub] unlock #

+ [Int] IUniswapV2Factory
    - [Ext] feeTo
    - [Ext] feeToSetter
    - [Ext] getPair
    - [Ext] allPairs
    - [Ext] allPairsLength
    - [Ext] createPair #
    - [Ext] setFeeTo #
    - [Ext] setFeeToSetter #

+ [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
```

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```
    - [Ext] burn #
    - [Ext] swap #
    - [Ext] skim #
    - [Ext] sync #
    - [Ext] initialize #

+ [Int] IUniswapV2Router01
    - [Ext] factory
    - [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] removeLiquidityETHSupportingFeeOnTransferTokens
    - [Ext] removeLiquidityETHWithPermitSupportingFeeOnTran
    - [Ext] swapExactTokensForTokensSupportingFeeOnTransfer
    - [Ext] swapExactETHForTokensSupportingFeeOnTransferTok
```

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```
- [Pub] name
- [Pub] symbol
- [Pub] decimals
- [Pub] totalSupply
- [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 #
```

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```
- [Prv] _getTValues
- [Prv] _getRValues
```

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