



Smart Contract Audit

FOR

Your Wallet

DATED : 25 JAN 23'



AUDIT SUMMARY

Project name - Your Wallet

Date: 25 January , 2023

Scope of Audit- Audit Ace was consulted to conduct the smart contract audit of the solidity source codes.

Audit Status: **Passed** (Contract is developed by Pinksale safu dev)

Issues Found

Status	Critical	High	Medium	Low	Suggestion
Open	0	0	0	0	0
Acknowledged	0	0	0	0	0
Resolved	0	0	0	0	0



USED TOOLS

Tools:

1- Manual Review:

a line by line code review has been performed by audit ace team.

2- BSC Test Network:

all tests were done on BSC Test network, each test has its transaction has attached to it.

3- Slither : Static Analysis

Testnet Link: all tests were done using this contract, tests are done on BSC Testnet

<https://testnet.bscscan.com/token/0x35cbeeB6c3D960A35637E810e8676B4668c5912A#readContract>



Token Information

Token Name : YourWallet

Token Symbol: YourWallet

Decimals: 18

Token Supply: 100,000,000

Token Address:

0x4AAF59deE18eCc1BbD2BF68b3f7Ba3AF47Eb9CfC

Checksum:

CE9559EA44723E2B93C915DE8487EB6A888D4F86
147BB04EF6B0F165DDFF9FCD

Owner:

0x2e76Af6DDD9C3314BC7f8ed6BB4690326731301e



TOKEN OVERVIEW

Fees:

Buy Fees: 2%

Sell Fees: 2%

Transfer Fees: 0%

Fees Privilege: None

Ownership : Owned

Minting: No mint function

Max Tx Amount/ Max Wallet Amount: No

Blacklist: No

Other Privileges: No





AUDIT METHODOLOGY

The auditing process will follow a routine as special considerations by Auditace:

- Review of the specifications, sources, and instructions provided to Auditace to make sure the contract logic meets the intentions of the client without exposing the user's funds to risk.
- Manual review of the entire codebase by our experts, which is the process of reading source code line-by-line in an attempt to identify potential vulnerabilities.
- Specification comparison is the process of checking whether the code does what the specifications, sources, and instructions provided to Auditace describe.
- Test coverage analysis determines whether the test cases are covering the code and how much code is exercised when we run the test cases.
- Symbolic execution is analysing a program to determine what inputs cause each part of a program to execute.
- Reviewing the codebase to improve maintainability, security, and control based on the established industry and academic practices.

VULNERABILITY CHECKLIST



Return values of low-level calls



Gasless Send



Private modifier



Using block.timestamp



Multiple Sends



Re-entrancy



Using Suicide



Tautology or contradiction



Gas Limit and Loops



Timestamp Dependence



Address hardcoded



Revert/require functions



Exception Disorder



Use of tx.origin



Using inline assembly



Integer overflow/underflow



Divide before multiply



Dangerous strict equalities



Missing Zero Address Validation



Using SHA3



Compiler version not fixed



Using throw



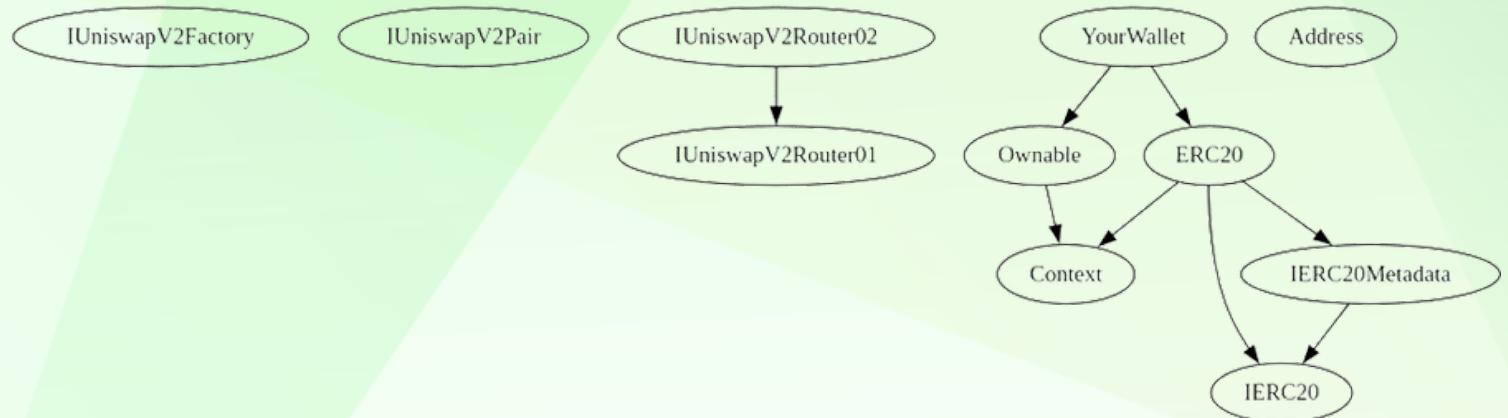
CLASSIFICATION OF RISK

Severity	Description
◆ Critical	These vulnerabilities could be exploited easily and can lead to asset loss, data loss, asset, or data manipulation. They should be fixed right away.
◆ High-Risk	A vulnerability that affects the desired outcome when using a contract, or provides the opportunity to use a contract in an unintended way.
◆ Medium-Risk	A vulnerability that could affect the desired outcome of executing the contract in a specific scenario.
◆ Low-Risk	A vulnerability that does not have a significant impact on possible scenarios for the use of the contract and is probably subjective.
◆ Gas Optimization / Suggestion	A vulnerability that has an informational character but is not affecting any of the code.

Findings

Severity	Found
◆ Critical	0
◆ High-Risk	0
◆ Medium-Risk	0
◆ Low-Risk	0
◆ Gas Optimization / Suggestions	0

INHERITANCE TREE





POINTS TO NOTE

- Owner is not able to change taxes (2% buy and 2% sell static, 0% transfer tax)
 - Owner is not able to blacklist an arbitrary wallet
 - Owner is not able to set max buy/sell/transfer amounts
 - Owner is not able to disable trades
 - Owner is not able to mint new tokens
-

CONTRACT ASSESSMENT

Contract	Type	Bases			
Function Name **Visibility** **Mutability** **Modifiers**					
IUniswapV2Factory	Interface				
feeTo	External !	NO!			
feeToSetter	External !	NO!			
getPair	External !	NO!			
allPairs	External !	NO!			
allPairsLength	External !	NO!			
createPair	External !	 NO!			
setFeeTo	External !	 NO!			
setFeeToSetter	External !	 NO!			
IUniswapV2Pair	Interface				
name	External !	NO!			
symbol	External !	NO!			
decimals	External !	NO!			
totalSupply	External !	NO!			
balanceOf	External !	NO!			
allowance	External !	NO!			
approve	External !	 NO!			
transfer	External !	 NO!			
transferFrom	External !	 NO!			
DOMAIN_SEPARATOR	External !	NO!			
PERMIT_TYPEHASH	External !	NO!			
nonces	External !	NO!			
permit	External !	 NO!			
MINIMUM_LIQUIDITY	External !	NO!			
factory	External !	NO!			
token0	External !	NO!			
token1	External !	NO!			
getReserves	External !	NO!			
price0CumulativeLast	External !	NO!			
price1CumulativeLast	External !	NO!			
kLast	External !	NO!			
mint	External !	 NO!			
burn	External !	 NO!			
swap	External !	 NO!			
skim	External !	 NO!			
sync	External !	 NO!			
initialize	External !	 NO!			



CONTRACT ASSESSMENT

IUniswapV2Router01 Interface					
L factory External ! NO!					
L WETH External ! NO!					
L addLiquidity External ! NO!					
L addLiquidityETH External ! NO!					
L removeLiquidity External ! NO!					
L removeLiquidityETH External ! NO!					
L removeLiquidityWithPermit External ! NO!					
L removeLiquidityETHWithPermit External ! NO!					
L swapExactTokensForTokens External ! NO!					
L swapTokensForExactTokens External ! NO!					
L swapExactETHForTokens External ! NO!					
L swapTokensForExactETH External ! NO!					
L swapExactTokensForETH External ! NO!					
L swapETHForExactTokens External ! NO!					
L quote External ! NO!					
L getAmountOut External ! NO!					
L getAmountIn External ! NO!					
L getAmountsOut External ! NO!					
L getAmountsIn External ! NO!					
IUniswapV2Router02 Interface IUniswapV2Router01					
L removeLiquidityETHSupportingFeeOnTransferTokens External ! NO!					
L removeLiquidityETHWithPermitSupportingFeeOnTransferTokens External ! NO!					
L swapExactTokensForTokensSupportingFeeOnTransferTokens External ! NO!					
L swapExactETHForTokensSupportingFeeOnTransferTokens External ! NO!					
L swapExactTokensForETHSupportingFeeOnTransferTokens External ! NO!					
IERC20 Interface					
L totalSupply External ! NO!					
L balanceOf External ! NO!					
L transfer External ! NO!					
L allowance External ! NO!					
L approve External ! NO!					
L transferFrom External ! NO!					
IERC20Metadata Interface IERC20					
L name External ! NO!					
L symbol External ! NO!					
L decimals External ! NO!					



CONTRACT ASSESSMENT

Address Library
L isContract Internal 🔒
L sendValue Internal 🔒 ○
L functionCall Internal 🔒 ○
L functionCall Internal 🔒 ○
L functionCallWithValue Internal 🔒 ○
L functionCallWithValue Internal 🔒 ○
L functionStaticCall Internal 🔒
L functionStaticCall Internal 🔒
L functionDelegateCall Internal 🔒 ○
L functionDelegateCall Internal 🔒 ○
L verifyCallResultFromTarget Internal 🔒
L verifyCallResult Internal 🔒
L _revert Private 🔒
Context Implementation
L _msgSender Internal 🔒
L _msgData Internal 🔒
Ownable Implementation Context
L <Constructor> Public ! ○ NO!
L owner Public ! NO!
L renounceOwnership Public ! ○ onlyOwner
L transferOwnership Public ! ○ onlyOwner
ERC20 Implementation Context, IERC20, IERC20Metadata
L <Constructor> Public ! ○ NO!
L name Public ! NO!
L symbol Public ! NO!
L decimals Public ! NO!
L totalSupply Public ! NO!
L balanceOf Public ! NO!
L transfer Public ! ○ NO!
L allowance Public ! NO!
L approve Public ! ○ NO!
L transferFrom Public ! ○ NO!
L increaseAllowance Public ! ○ NO!
L decreaseAllowance Public ! ○ NO!
L _transfer Internal 🔒 ○
L _mint Internal 🔒 ○
L _burn Internal 🔒 ○



CONTRACT ASSESSMENT

L	_approve	Internal 🔒	🔴		
L	_beforeTokenTransfer	Internal 🔒	🔴		
L	_afterTokenTransfer	Internal 🔒	🔴		
YourWallet	Implementation	ERC20, Ownable			
L	<Constructor>	Public !	🔴	ERC20	
L	<Receive Ether>	External !	💸	NO!	
L	claimStuckTokens	External !	🔴	onlyOwner	
L	excludeFromFees	External !	🔴	onlyOwner	
L	isExcludedFromFees	Public !		NO!	
L	changeMarketingWallet	External !	🔴	onlyOwner	
L	enableTrading	External !	🔴	onlyOwner	
L	_transfer	Internal 🔒	🔴		
L	setSwapEnabled	External !	🔴	onlyOwner	
L	setSwapTokensAtAmount	External !	🔴	onlyOwner	
L	swapAndSendMarketing	Private 🔒	🔴		

Symbol	Meaning
-----	-----
🔴	Function can modify state
💸	Function is payable



STATIC ANALYSIS

```
Reentrancy in YourWallet._transfer(address,address,uint256) (contracts/Ace_Testing_BSC.sol#943-998):
  External calls:
    - swapAndSendMarketing(swapTokensAtAmount) (contracts/Ace_Testing_BSC.sol#975)
      - (success) = recipient.call(value: amount)() (contracts/Ace_Testing_BSC.sol#397)
      - uniswapV2Router.swapExactTokensForETHSupportingFeeOnTransferTokens(tokenAmount,0,path,address(this),block.timestamp) (contracts/Ace_Testing_BSC.sol#1024-1030)
      - address(marketingWallet).sendValue(newBalance) (contracts/Ace_Testing_BSC.sol#1034)
  External calls sending eth:
    - swapAndSendMarketing(swapTokensAtAmount) (contracts/Ace_Testing_BSC.sol#975)
      - (success) = recipient.call(value: amount)() (contracts/Ace_Testing_BSC.sol#397)
  Event emitted after the call(s):
    - Transfer(sender,recipient,amount) (contracts/Ace_Testing_BSC.sol#741)
      - super._transfer(from,to,amount) (contracts/Ace_Testing_BSC.sol#997)
    - Transfer(sender,recipient,amount) (contracts/Ace_Testing_BSC.sol#741)
      - super._transfer(from,address(this),fees) (contracts/Ace_Testing_BSC.sol#994)
Reentrancy in YourWallet.swapAndSendMarketing(uint256) (contracts/Ace_Testing_BSC.sol#1017-1037):
  External calls:
    - uniswapV2Router.swapExactTokensForETHSupportingFeeOnTransferTokens(tokenAmount,0,path,address(this),block.timestamp) (contracts/Ace_Testing_BSC.sol#1024-1030)
    - address(marketingWallet).sendValue(newBalance) (contracts/Ace_Testing_BSC.sol#1034)
  Event emitted after the call(s):
    - SwapAndSendMarketing(tokenAmount,newBalance) (contracts/Ace_Testing_BSC.sol#1036)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#reentrancy-vulnerabilities-3

Address._revert(bytes,string) (contracts/Ace_Testing_BSC.sol#545-560) uses assembly
  - INLINE ASM (contracts/Ace_Testing_BSC.sol#553-556)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#assembly-usage

Address._revert(bytes,string) (contracts/Ace_Testing_BSC.sol#545-560) is never used and should be removed
Address.functionCall(address,bytes) (contracts/Ace_Testing_BSC.sol#404-415) is never used and should be removed
Address.functionCall(address,bytes,string) (contracts/Ace_Testing_BSC.sol#417-423) is never used and should be removed
Address.functionCallWithValue(address,bytes,uint256) (contracts/Ace_Testing_BSC.sol#425-437) is never used and should be removed
Address.functionCallWithValue(address,bytes,uint256,string) (contracts/Ace_Testing_BSC.sol#439-459) is never used and should be removed
Address.functionDelegateCall(address,bytes) (contracts/Ace_Testing_BSC.sol#488-498) is never used and should be removed
Address.functionDelegateCall(address,bytes,string) (contracts/Ace_Testing_BSC.sol#500-513) is never used and should be removed
Address.functionStaticCall(address,bytes) (contracts/Ace_Testing_BSC.sol#461-471) is never used and should be removed
Address.functionStaticCall(address,bytes,string) (contracts/Ace_Testing_BSC.sol#473-486) is never used and should be removed
Address.isContract(address) (contracts/Ace_Testing_BSC.sol#387-389) is never used and should be removed
Address.verifyCallResult(bool,bytes,string) (contracts/Ace_Testing_BSC.sol#533-543) is never used and should be removed
Address.verifyCallResultFromTarget(address,bool,bytes,string) (contracts/Ace_Testing_BSC.sol#515-531) is never used and should be removed
Context._msgData() (contracts/Ace_Testing_BSC.sol#568-571) is never used and should be removed
ERC20._burn(address,uint256) (contracts/Ace_Testing_BSC.sol#758-773) is never used and should be removed
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#dead-code

Pragma version0.8.17 (contracts/Ace_Testing_BSC.sol#19) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6/0.8.16
solc-0.8.17 is not recommended for deployment
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#incorrect-versions-of-solidity

Low level call in Address.sendValue(address,uint256) (contracts/Ace_Testing_BSC.sol#391-402):
  - (success) = recipient.call(value: amount)() (contracts/Ace_Testing_BSC.sol#397)
Low level call in Address.functionCallWithValue(address,bytes,uint256,string) (contracts/Ace_Testing_BSC.sol#439-459):
  - (success,returndata) = target.call(value: value)(data) (contracts/Ace_Testing_BSC.sol#449-451)
Low level call in Address.functionStaticCall(address,bytes,string) (contracts/Ace_Testing_BSC.sol#473-486):
  - (success,returndata) = target.staticcall(data) (contracts/Ace_Testing_BSC.sol#478)
Low level call in Address.functionDelegateCall(address,bytes,string) (contracts/Ace_Testing_BSC.sol#500-513):
  - (success,returndata) = target.delegatecall(data) (contracts/Ace_Testing_BSC.sol#505)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#low-level-calls
```

```
Variable IRouter01.addLiquidity(address,address,uint256,uint256,uint256,uint256,address,uint256).amountADesired (contracts/Ace_Testing_BSC.sol#108) is too similar to IRouter01.addLiquidity(address,address,uint256,uint256,uint256,uint256,address,uint256).amountBDesired (contracts/Ace_Testing_BSC.sol#109)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#variable-names-too-similar

PRICE.enableTrading() (contracts/Ace_Testing_BSC.sol#566-570) uses literals with too many digits:
  - swapThreshold = (balanceOf(lpPair)) / 100000 (contracts/Ace_Testing_BSC.sol#568)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#too-many-digits

PRICE.liquidityAdded (contracts/Ace_Testing_BSC.sol#280) should be constant
PRICE.canSwapFees (contracts/Ace_Testing_BSC.sol#269) should be constant
PRICE.maxBuyFee (contracts/Ace_Testing_BSC.sol#259) should be constant
PRICE.maxSellFee (contracts/Ace_Testing_BSC.sol#258) should be constant
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#state-variables-that-could-be-declared-constant

PRICE.swapRouter (contracts/Ace_Testing_BSC.sol#273) should be immutable
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#state-variables-that-could-be-declared-immutable
```

Result => A static analysis of contract's source code has been performed using slither, no major issues were found (except some “minor impact” suggestions)



FUNCTIONAL TESTING

Router (PCS V2):

0xD99D1c33F9fC3444f8101754aBC46c52416550D1

0- Deploying (Passed):

<https://testnet.bscscan.com/tx/0x6deaadec8164053f3c3280242e181340ee20f6873b7584851e180ebb04761e9f>

1- Adding Liquidity (Passed):

liquidity added on Pancakeswap V2:

<https://testnet.bscscan.com/tx/0x384a66401ed6a2f7aecab97a6e2afaf6cf25284058fe2429a8cb911f4d70ba8c>

no issue were found on adding liquidity.

2- Enabling trade for public (Passed):

<https://testnet.bscscan.com/tx/0x209b9f0f6a162f6c7643485a2ff2747f31f4b0eb0a4a7f5380e794558e3a8c17>

3- Excluding deployer's wallet from taxes (to test taxes) (Passed):

<https://testnet.bscscan.com/tx/0x4259b5c1978b258746e3582c0dfaefde2b15220111b9a150f9d0a5b33707a4b6>



FUNCTIONAL TESTING

4- Buying from a non-excluded wallet (**Passed**):

<https://testnet.bscscan.com/tx/0xa4ba3ac8ad67dd409775614ec1485210e7f2245bb3a96addec5f946c116a0cbf>

2% static tax on buys (sent to contract)

5- Selling from a non-excluded wallet (**Passed**):

<https://testnet.bscscan.com/tx/0x5f0eff4211d81b2f514ea04b421a0b69cfbe3c9d17238a4f42fe07cf132185a9>

2% static tax on sells

6- Swap & liquify (**Passed**):

taxes were swapped to BNB and sent to marketing wallets.

<https://testnet.bscscan.com/address/0xbf21ce7e474e7d447cdced111de8f3ae87822ed6#internaltx>



MANUAL TESTING

NO ISSUES WERE FOUND





Social Media Overview

**Here are the Social Media Accounts of
Your Wallet**



https://t.me/YourWallet_Official



<https://twitter.com/YourWalletLive>



<https://yourwallet.live/>



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