

SKELETON ECOSYSTEM

SMART CONTRACT AUDIT



Jesus Token
\$JESUS
BEP 20

0x01E7BE8b995dA812e45DB31D07DAE02Fe3147c42



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Global Disclaimer

This document serves as a disclaimer for the crypto smart contract audit conducted by Skeleton Ecosystem. The purpose of the audit was to review the codebase of the smart contracts for potential vulnerabilities and issues. It is important to note the following:

Limited Scope: The audit is based on the code and information available up to the audit completion date. It does not cover external factors, system interactions, or changes made after the audit. The audit itself can not guarantee 100% safety and can not detect common scam methods like farming and developer sell-out.

No Guarantee of Security: While we have taken reasonable steps to identify vulnerabilities, it is impossible to guarantee the complete absence of security risks or issues. The audit report provides an assessment of the contract's security as of the audit date.

Continued Development: Smart contracts and blockchain technology are evolving fields. Updates, forks, or changes to the contract post-audit may introduce new risks that were not present during the audit.

Third-party Code: If the smart contract relies on third-party libraries or code, those components were not thoroughly audited unless explicitly stated. Security of these dependencies is the responsibility of their respective developers.

Non-Exhaustive Testing: The audit involved automated analysis, manual review, and testing under controlled conditions. It is possible that certain vulnerabilities or issues may not have been identified.

Risk Evaluation: The audit report includes a risk assessment for identified vulnerabilities. It is recommended that the development team carefully reviews and addresses these risks to mitigate potential exploits.

Not Financial Advice: This audit report is not intended as financial or investment advice. Decisions regarding the use, deployment, or investment in the smart contract should be made based on a comprehensive assessment of the associated risks.

By accessing and using this audit report, you acknowledge and agree to the limitations outlined above. Skeleton Ecosystem and its auditors shall not be held liable for any direct or indirect damages resulting from the use of the audit report or the smart contract itself.

Please consult with legal, technical, and financial professionals before making any decisions related to the smart contract.

Overview

Contract Name	WDIStandardToken
Ticker/Simbol	Jesus
Blockchain	Binance Smart Chain BEP20
Contract Address	0x01E7BE8b995dA812e45DB31D07DAE02Fe3147c42
Creator Address	0x07D6116E4B0418e89AF06aCf63690B0f1E83a6EF
Current Owner Address	0x00
Contract Explorer	https://bscscan.com/token/0x01e7be8b995da812e45db31d07dae02fe3147c42#code
Compiler Version	v0.8.17+commit.8df45f5f
License	MIT
Optimisation	Yes with 1500 Runs
Total Supply	7,777,777,777 Jesus
Decimals	18




Creation/Audit

Contract Deployed	07 Dec 2023
Audit Created	13 Dec 2023
Audit Update	V 1.0

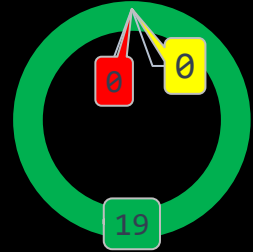
Verified Socials



Website	https://jesustoken.net/
Telegram	https://t.me/jesustokenbsc
Twitter (X)	https://x.com/jesustokenbsc?s=21

Contract Function Analysis

 Pass
  Attention Item
  Risky Item

 Pass
 Attention
 Risk



Contract Verified		The contract source code is uploaded to blockchain explorer and is open source, so everybody can read it.
Contract Ownership		0x00 Renounce
Buy Tax	10 %	Shows the taxes for purchase transactions. Above 10% may be considered a high tax rate. More than 50% tax rate means may not be tradable. Fee can be set!
Sell Tax	10 %	Shows the taxes for sell transactions. Above 10% may be considered a high tax rate. More than 50% tax rate means may not be tradable. Fee can be set!
Honeypot Analyse		Holder is able to buy and sell. If honeypot: The contract blocks sell transfer from holder wallet. Multiple events may cause honeypot. Trading disabled, extremely high tax
Liquidity Status		LP Lock Status on 14.12.2023: 95.24% Unicrypt for 180 days.
Trading Disable Functions		No Trading suspendable function found. If a suspendable code is included, the token maybe neither be bought or sold (honeypot risk). If contract is renounced this function can't be used
Set Fees function	 max 15%	Fee Setting function found. Max 15% Set The contract owner may contain the authority to modify the transaction tax. If the transaction tax is increased to more than 49%, the tokens may not be able to be traded (honeypot risk).
Proxy Contract		Not a proxy contract!
Mint Function		No Mint Function detected Mint function is transparent or non-existent. Hidden mint functions may increase the amount of tokens in circulation and effect the price of the token. Owner can mint new tokens and sell.

Balance Modifier Function		<p>No Balance Modifier function found.</p> <p>If there is a function for this, the contract owner can have the authority to modify the balance of tokens at other addresses. For example revoke the bought tokens from the holders wallet. Common form of scam: You buy the token, but it's disappearing from your wallet.</p>
Blacklist Function		<p>No Blacklist Setting function found.</p> <p>If there is a blacklist, some addresses may not be able to trade normally. Example: you buy the token and right after your Wallet getting blacklisted. Like so you will be unable to sell. Honeypot Risk.</p>
Whitelist Function		<p>Whitelist Setting function found.</p> <p>If there is a function for this Developer can set zero fee or no max wallet size for addresses (for example team wallets can trade without fee. Can cause farming)</p>
Hidden Owner Analysis		<p>No Hidden or multi owner with authorisation</p> <p>For contract with a hidden owner, developer can still manipulate the contract even if the ownership has been abandoned.</p>
Retrieve Ownership Function		<p>No Functions found which can retrieve ownership of the contract.</p> <p>If this function exists, it is possible for the project owner to regain ownership even after relinquishing it. Also known as fake renounce.</p>
Self Destruct Function		<p>No Self Destruct function found.</p> <p>If this function exists and is triggered, the contract will be destroyed, all functions will be unavailable, and all related assets will be erased.</p>
Specific Tax Changing Function		<p>No Specific Tax Changing Functions found.</p> <p>If it exists, the contract owner may set a very outrageous tax rate for assigned address to block it from trading. Can assign all wallets at once!</p>
Trading Cooldown Function		<p>No Trading Cooldown Function found. If there is a trading cooldown function, the user will not be able to sell the token within a certain time or block after buying. Like a temporary honeypot.</p>
Max Transaction and Holding Modify Function		<p>Max Transaction and Holding Modify function found</p> <p>If there is a function for this, the maximum trading amount or maximum position can be modified. Can cause honeypot</p>
Transaction Limiting Function		<p>No Transaction Limiter Function Found.</p> <p>The number of overall token transactions may be limited (honeypot risk)</p>

Details of Risk - Attention Items

✓ Following Items warning mark got removed based on the fact the contract ownership got transferred to 0x00 (Renounced)

Transaction Receipt Event Logs

158

Address

0x01e7be8b995da812e45db31d07dae02fe3147c42

Q v

Name

OwnershipTransferred (index_topic_1 address previousOwner, index_topic_2 address newOwner) View Source

Topics

0

0x8be0079c531659141344cd1fd0a4f28419497f9722a3daafe3b4186f6b6457e0

1: previousOwner

Dec v

→ 0x07D6116E4B0418e89AF06aCf6369080f1E83a6EF

2: newOwner

Dec v

→ 0x00

Data

0x

⚠ Set Fee
 Warning Removed. Ownership Renounced.

The contract owner may contain the authority to modify the transaction tax. If the transaction tax is increased to more than 49%, the tokens may not be able to be traded

```

ftrace | funcSig
619 function updateMarketingBuyTax(uint256 tax!) external onlyOwner {
620     tokenInfo.marketingTaxBuy = tax!;
621     require(totalBuyTaxFees() <= 15 ether, "TDP1");
622 }
623
ftrace | funcSig
624 function updateMarketingSellTax(uint256 tax!) external onlyOwner {
625     tokenInfo.marketingTaxSell = tax!;
626     require(totalSellTaxFees() <= 15 ether, "TDP1");
627 }
628
ftrace | funcSig
629 function updateDevBuyTax(uint256 tax!) external onlyOwner {
630     tokenInfo.devTaxBuy = tax!;
631     require(totalBuyTaxFees() <= 15 ether, "TDP1");
632 }
633
ftrace | funcSig
634 function updateDevSellTax(uint256 tax!) external onlyOwner {
635     tokenInfo.devTaxSell = tax!;
636     require(totalSellTaxFees() <= 15 ether, "TDP1");
637 }
638
ftrace | funcSig
639 function updateLpBuyTax(uint256 tax!) external onlyOwner {
640     tokenInfo.lpTaxBuy = tax!;
641     require(totalBuyTaxFees() <= 15 ether, "TDP1");
642 }
643
ftrace | funcSig
644 function updateLpSellTax(uint256 tax!) external onlyOwner {
645     tokenInfo.lpTaxSell = tax!;
646     require(totalSellTaxFees() <= 15 ether, "TDP1");
647 }
648

```

⚠ Whitelist Function

Warning Removed. Ownership Renounced.

If there is a function for this, Developer can set zero fee or no max wallet size for adresses (for example team wallets can trade without fee. Can cause farming)

```

593     ftrace | funcSig
594     function setExclusionFromFee(address account!, bool value!) public onlyOwner {
595         isExcludeFromFee[account!] = value!;
596     }
597
598     ftrace | funcSig
599     function setExclusionFromTxLimit(address account!, bool value!) public onlyOwner {
600         isExcludeFromTxLimit[account!] = value!;
601     }
602
603     ftrace | funcSig
604     function setExclusionFromWalletLimit(address account!, bool value!) public onlyOwner {
605         isExcludeFromWalletLimit[account!] = value!;
606     }
  
```

⚠ Max Transaction and Holding Modify Function

Warning Removed. Ownership Renounced.

If there is a function for this, the maximum trading amount or maximum position can be modified. Can cause honeypot

```

649     ftrace | funcSig
650     function updateMaxWalletAmount(uint256 maxWallet!) external onlyOwner {
651         require(maxWallet! <= 100 ether && maxWallet! >= 0.5 ether, "TDP4");
652         tokenInfo.maxPercentageForWallet = maxWallet!;
653         maxAmountForWallet = (maxWallet! * tokenInfo.totalSupply) / 100 ether;
654     }
655
656     ftrace | funcSig
657     function updateMaxTransactionAmount(uint256 maxTx!) external onlyOwner {
658         require(maxTx! <= 100 ether && maxTx! >= 0.5 ether, "TDP4");
659         tokenInfo.maxPercentageForTx = maxTx!;
660         maxAmountForTx = (maxTx! * tokenInfo.totalSupply) / 100 ether;
661     }
  
```


Contract Security

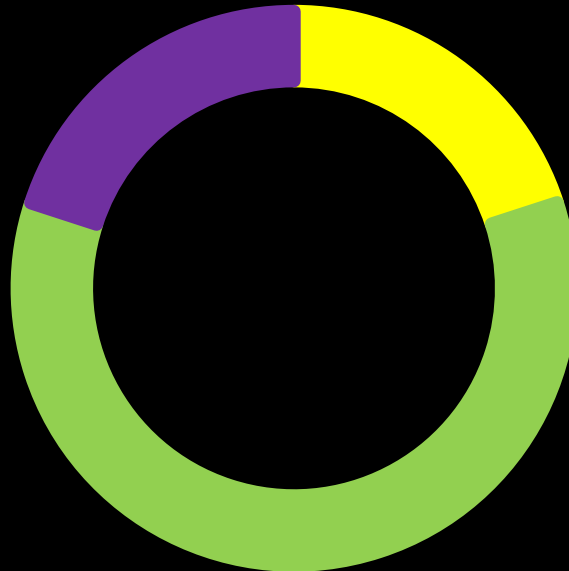
Total Findings: 5

■ High 0

■ Medium 1

■ Low 3

■ Info 1



■ **High Severity Issues:** High possibility to cause problems, need to be resolved.

■ **Medium Severity Issue:** Will likely cause problems, recommended to resolve.

■ **Low Severity Issues:** Won't cause problems, but for improvement purposes could be adjusted.

■ **Informational Severity Issues:** Not harmful in any way, information for the developer team.

Contract Security

List of Found Issues

High severity Issues: (0)

Medium severity issues: (1)

- Approve of Front running Attack

Low severity issues: (3)

- Missing Events
- Long Number Literals
- Otdated Compiler Version

Informational severity issues: (1)

- Public Functions Should be Declared External

Contract Weakness Classisication

THE SMART CONTRACT WEAKNESS CLASSIFICATION REGISTRY (SWC REGISTRY) IS AN IMPLEMENTATION OF THE WEAKNESS CLASSIFICATION SCHEME PROPOSED IN EIP-1470. IT IS LOOSELY ALIGNED TO THE TERMINOLOGIES AND STRUCTURE USED IN THE COMMON WEAKNESS ENUMERATION (CWE) WHILE OVERLAYING A WIDE RANGE OF WEAKNESS VARIANTS THAT ARE SPECIFIC TO SMART CONTRACTS.

ID	Description	AI	Manual	Result
SWC-100	Function Default Visibility	Passed	Passed	Passed
SWC-101	Integer Overflow and Underflow	Passed	Passed	Passed
SWC-102	Outdated Compiler Version	Low	Passed	Passed
SWC-103	Floating Pragma	Passed	Passed	Passed
SWC-104	Unchecked Call Return Value	Passed	Passed	Passed
SWC-105	Unprotected Ether Withdrawal	Passed	Passed	Passed
SWC-106	Unprotected SELFDESTRUCT Instruction	Passed	Passed	Passed
SWC-107	Reentrancy	Passed	Passed	Passed
SWC-108	State Variable Default Visibility	Passed	Passed	Passed
SWC-109	Uninitialized Storage Pointer	Passed	Passed	Passed
SWC-110	Assert Violation	Passed	Passed	Passed
SWC-111	Use of Deprecated Solidity Functions	Passed	Passed	Passed
SWC-112	Delegatecall to Untrusted Callee	Passed	Passed	Passed
SWC-113	DoS with Failed Call	Passed	Passed	Passed
SWC-114	Transaction Order Dependence	Passed	Passed	Passed
SWC-115	Authorization through tx.origin	Passed	Passed	Passed
SWC-116	Block values as a proxy for time	Passed	Passed	Passed
SWC-117	Signature Malleability	Passed	Passed	Passed
SWC-118	Incorrect Constructor Name	Passed	Passed	Passed
SWC-119	Shadowing State Variables	Passed	Passed	Passed
SWC-120	Weak Sources of Randomness from Chain Attributes	Passed	Passed	Passed

SWC-121	Missing Protection against Signature Replay Attacks	Passed	Passed	Passed
SWC-122	Lack of Proper Signature Verification	Passed	Passed	Passed
SWC-123	Requirement Violation	Passed	Passed	Passed
SWC-124	Write to Arbitrary Storage Location	Passed	Passed	Passed
SWC-125	Incorrect Inheritance Order	Passed	Passed	Passed
SWC-126	Insufficient Gas Griefing	Passed	Passed	Passed
SWC-127	Arbitrary Jump with Function Type Variable	Passed	Passed	Passed
SWC-128	DoS With Block Gas Limit	Passed	Passed	Passed
SWC-129	Typographical Error	Passed	Passed	Passed
SWC-130	Right-To-Left-Override control character (U+202E)	Passed	Passed	Passed
SWC-131	Presence of unused variables	Passed	Passed	Passed
SWC-132	Unexpected Ether balance	Passed	Passed	Passed
SWC-133	Hash Collisions With Multiple Variable Length Arguments	Passed	Passed	Passed
SWC-134	Message call with hardcoded gas amount	Passed	Passed	Passed
SWC-135	Code With No Effects	Passed	Passed	Passed
SWC-136	Unencrypted Private Data On-Chain	Passed	Passed	Passed

Detected High and Medium Severity Vulnerability Description.

⚠️ Approve of front running attack (2 Item)

Item: 1	Location:	Line 90-95	Severity:	■ Medium
---------	-----------	------------	-----------	----------

Function	<p>The <code>approve()</code> method overrides current allowance regardless of whether the spender already used it or not, so there is no way to increase or decrease allowance by a certain value atomically unless the token owner is a smart contract, not an account.</p> <p>This can be abused by a token receiver when they try to withdraw certain tokens from the sender's account. Meanwhile, if the sender decides to change the amount and sends another approve transaction, the receiver can notice this transaction before it's mined and can extract tokens from both the transactions, therefore, ending up with tokens from both the transactions. This is a front-running attack affecting the ERC20 Approve function.</p> <p>The function approve can be front-run by abusing the <code>_approve</code> function.</p>
Remediation	<p>1.Introduce mechanisms that limit the maximum acceptable gas price for transactions. This can help prevent front-runners from drastically increasing the gas fees to prioritize their transactions.</p> <p>2.Use transaction taxes to prevent against front-runattack</p>

```

fttrace | funcSig
91     function approve(address spender!, uint256 amount!) public virtual override returns (bool) {
92         address owner = _msgSender();
93         _approve(owner, spender!, amount!);
94         return true;
95     }
96
  
```

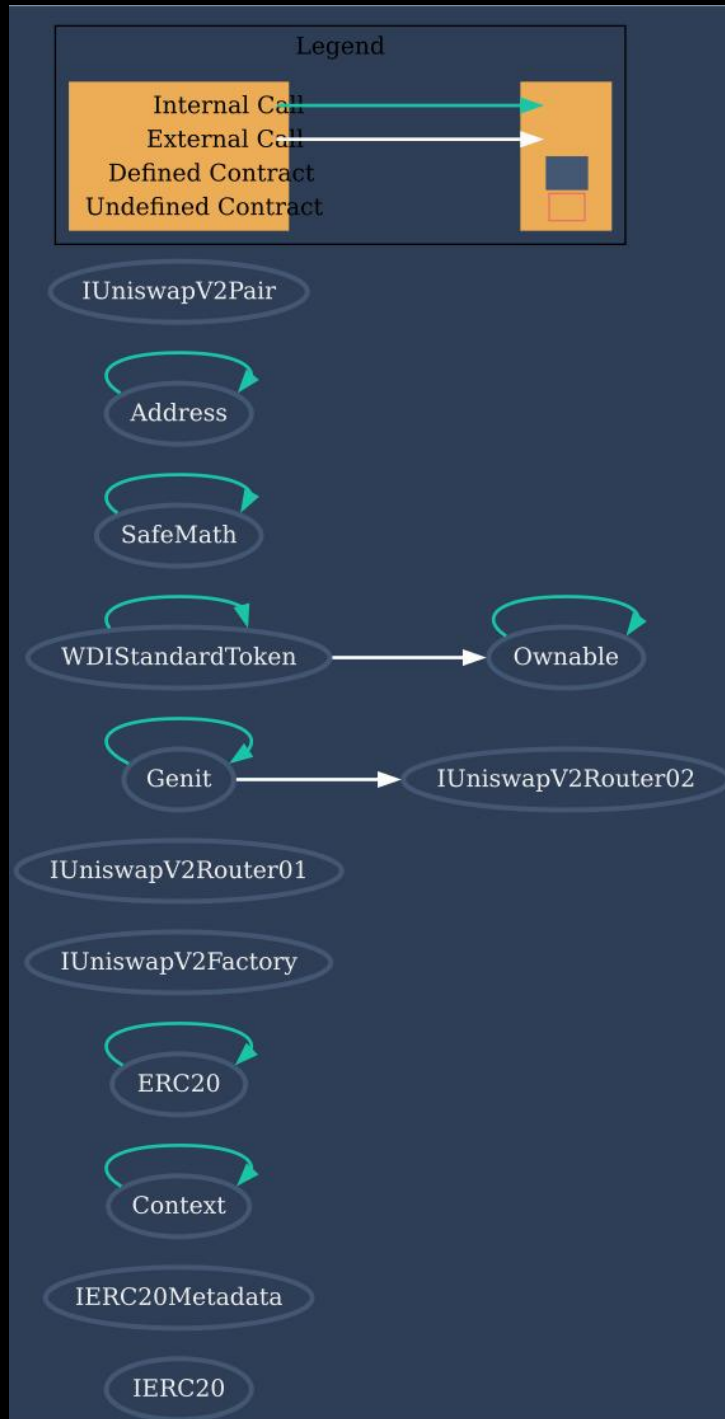
Item: 2	Location: Line 189-197	Severity: ■ Medium
---------	------------------------	---

Function	<p>The <code>_spendAllowance()</code> method overrides current allowance regardless of whether the spender already used it or not, so there is no way to increase or decrease allowance by a certain value atomically unless the token owner is a smart contract, not an account.</p> <p>This can be abused by a token receiver when they try to withdraw certain tokens from the sender's account. Meanwhile, if the sender decides to change the amount and sends another approve transaction, the receiver can notice this transaction before it's mined and can extract tokens from both the transactions, therefore, ending up with tokens from both the transactions. This is a front-running attack affecting the ERC20 Approve function.</p> <p>The function approve can be front-run by abusing the <code>_approve</code> function.</p>
Remediation	<ol style="list-style-type: none"> 1. Introduce mechanisms that limit the maximum acceptable gas price for transactions. This can help prevent front-runners from drastically increasing the gas fees to prioritize their transactions. 2. Use transaction taxes to prevent against front-run attack

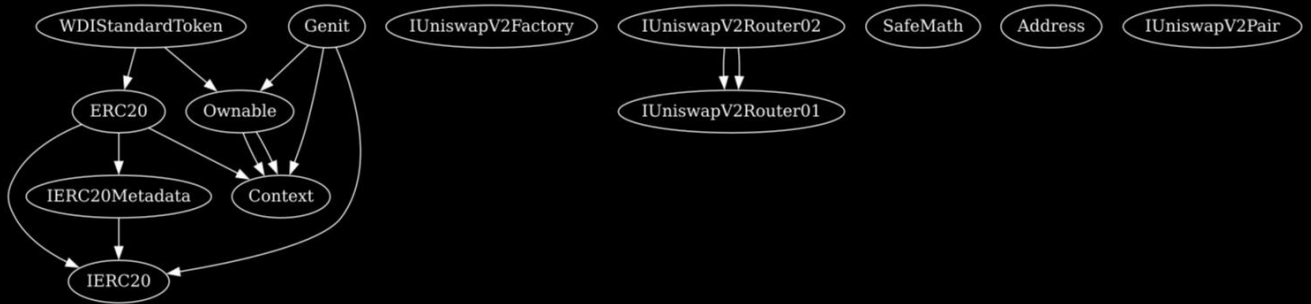
```

189  fttrace | funcSig
190  function _spendAllowance(address owner!, address spender!, uint256 amount!) internal virtual {
191      uint256 currentAllowance = allowance(owner!, spender!);
192      if (currentAllowance != type(uint256).max) {
193          require(currentAllowance >= amount!, "ERC20: insufficient allowance");
194          unchecked {
195              _approve(owner!, spender!, currentAllowance - amount!);
196          }
197      }
198  }
  
```






























Contract Interaction Graph

























































































Inheritance Graph


































































Contract Functions

































Contract	Type	Bases		
L	Function Name	Visibility	Mutability	Modifiers
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 
Context	Implementation			
L	_msgSender	Internal 		
L	_msgData	Internal 		
ERC20	Implementation	Context, IERC20, IERC20Metadata		
L		Public 		NO 
L	name	Public 		NO 







Contract	Type	Bases		
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 		
L	_approve	Internal 		
L	_spendAllowance	Internal 		
L	_beforeTokenTransfer	Internal 		
L	_afterTokenTransfer	Internal 		
IUniswapV2Factory	Interface			
L	feeTo	External 		NO 

Contract	Type	Bases		
L	feeToSetter	External 		NO 
L	getPair	External 		NO 
L	allPairs	External 		NO 
L	allPairsLength	External 		NO 
L	createPair	External 		NO 
L	setFeeTo	External 		NO 
L	setFeeToSetter	External 		NO 
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 

Contract	Type	Bases		
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 

Contract	Type	Bases		
	rtngFeeOnTran sferTokens			
L	swapExactTokesForETHSupportingFeeOnTransferTokens	External 		NO 
Ownable	Implementation	Context		
L		Public 		NO 
L	owner	Public 		NO 
L	_checkOwner	Internal 		
L	renounceOwnership	Public 		onlyOwner
L	transferOwnership	Public 		onlyOwner
L	_transferOwnership	Internal 		
WDTStandardToken	Implementation	ERC20, Ownable		
L		Public 		ERC20
L	getTokenInfo	Public 		NO 
L	totalBuyTaxFees	Public 		NO 
L	totalSellTaxFees	Public 		NO 
L	totalTaxFees	Public 		NO 
L	getMarketingBuyTax	External 		NO 
L	getMarketingSellTax	External 		NO 

Contract	Type	Bases		
L	getDevBuyTax	External 		NO 
L	getDevSellTax	External 		NO 
L	getLpBuyTax	External 		NO 
L	getLpSellTax	External 		NO 
L	setExclusionFromFee	Public 		onlyOwner
L	setExclusionFromTxLimit	Public 		onlyOwner
L	setExclusionFromWalletLimit	Public 		onlyOwner
L	updateMarketingWallet	External 		onlyOwner
L	updateDevWallet	External 		onlyOwner
L	updateMarketingBuyTax	External 		onlyOwner
L	updateMarketingSellTax	External 		onlyOwner
L	updateDevBuyTax	External 		onlyOwner
L	updateDevSellTax	External 		onlyOwner
L	updateLpBuyTax	External 		onlyOwner
L	updateLpSellTax	External 		onlyOwner
L	updateMaxWalletAmount	External 		onlyOwner

Contract	Type	Bases		
L	updateMaxTransactionAmount	External !		onlyOwner
L	_swapAndAddLiquidity	Internal 		onlySwapping
L	_transfer	Internal 		
L		External !		NO!



Function
can modify
state



Function
is payable

Audit Scope

Audit Method.

Our smart contract audit is an extensive methodical examination and analysis of the smart contract's code that is used to interact with the blockchain. Goal: discover errors, issues and security vulnerabilities in the code. Findings getting reported and improvements getting suggested.

Automatic and Manual Review

We are using automated tools to scan functions and weaknesses of the contract. Transfers, integer over-undeflow checks such as all CWE events.

Tools we use:

Visual Studio Code

CWE

SWC

Solidity Scan

SVD

In manual code review our auditor looking at source code and performing line by line examination. This method helps to clarify developer's coding decisions and business logic.

Skeleton Ecosystem

<https://skeletonecosystem.com>

<https://github.com/SkeletonEcosystem/Audits>

