



Audit Report

The Web3 Project

February 2022

Type	BEP20
Network	BSC
Address	0x43cBE67cAb2A16c1A11e125c6aBd6917970f4d08
Audited by	© coinscope

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Contract Review

Contract Name	TheWeb3Project
Compiler Version	v0.8.2+commit.661d1103
Optimization	200 runs
Licence	None
Explorer	https://bscscan.com/address/0x43cBE67cAb2A16c1A11e125c6aBd6917970f4d08
Symbol	WEB3
Decimals	18
Total Supply	10,000,000,000
Source	contract.sol
Domain	theweb3project.com

Audit Updates

Initial Audit	9th February 2022
Corrected	

Contract Analysis

● Critical ● Medium ● Minor ● Pass

Severity	Code	Description
●	ST	Contract Owner is not able to stop or pause transactions
●	OCTD	Contract Owner is not able to transfer tokens from specific address
●	OTUT	Owner Transfer User's Tokens
●	ELFM	Contract Owner is not able to increase fees more than a reasonable percent (25%)
●	ULTW	Contract Owner is not able to increase the amount of liquidity taken by dev wallet more than a reasonable percent
●	MT	Contract Owner is not able to mint new tokens
●	BT	Contract Owner is not able to burn tokens from specific wallet
●	BC	Contract Owner is not able to blacklist wallets from selling

Max Transaction Amount

The contract contains a maximum transaction limitation. The amount that is going to be transferred cannot be more than the 11% of the liquidity pool. That means that users will not be able to transfer the tokens if the liquidity pool is removed or decreased enough. If the liquidity pool decreased dramatically then the maximum transferable amount will practically not allow the users to proceed with transfers.

Transaction Fees

Transfers are taxed between 0% - 20% proportionally impact that the transferred amount will make to the liquidity pool. For instance, if the amount is 0,01% of the liquidity pool, the tax will be low. On the other hand, if the amount is 9% of the liquidity pool, the tax will be high.

Notes

- The amount of $1/1^{18}$ is deducted from the amount of each transfer.
- Users are limited to making one transfer every minute.
- The contract is part of a proxy mechanism, it is not a token by default but it acts like a token when it is embedded in a proxy implementation.

Contract Diagnostics

● Critical ● Medium ● Minor

Severity	Code	Description
●	L01	Public Function could be Declared External
●	L02	State Variables could be Declared Constant
●	L03	Redundant Statements
●	L04	Conformance to Solidity Naming Conventions
●	L09	Dead Code Elimination
●	L07	Missing Events Arithmetic
●	L14	Uninitialized Variables in Local Scope

L02 - State Variables could be Declared Constant

Criticality	minor
Location	TheWeb3Project.sol#L313,315,312,218,217

Description

Constant state variables should be declared constant to save gas.

```
_uniswapV2Router  
_uniswapV2Pair  
_freeAirdropSystem  
...
```

Recommendation

Add the constant attribute to state variables that never change.

L03 - Redundant Statements

Criticality

minor

Location

TheWeb3Project.sol#L990,991,1206,1207

Description

Detect the usage of redundant statements that have no effect.

```
sender;  
recipient;  
...
```

Recommendation

Remove redundant statements if they congest code but offer no value.

L04 - Conformance to Solidity Naming Conventions

Criticality

minor

Location

TheWeb3Project.sol#L119,1732,1742,2034,2109,2223 and 48 more

Description

Solidity defines a naming convention that should be followed. Rule exceptions:

- Allow constant variable name/symbol/decimals to be lowercase.
- Allow _ at the beginning of the mixed_case match for private variables and unused parameters.

```
_monitors  
_lifeSupports  
_firstPenguinWasBuy  
...
```

Recommendation

Follow the Solidity naming convention.

<https://docs.soliditylang.org/en/v0.4.25/style-guide.html#naming-conventions>

L09 - Dead Code Elimination

Criticality

minor

Location

TheWeb3Project.sol#L90,94,1732,1742,2234,2203 and 3 more

Description

Functions that are not used in the contract, and make the code's size bigger.

```
sortTokens  
priceRecoveryBuy  
getReserves  
...
```

Recommendation

Remove unused functions.

L07 - Missing Events Arithmetic

Criticality

minor

Location

TheWeb3Project.sol#L1190

Description

Detected missing events for critical arithmetic parameters. There are functions that have no event emitted, so it is difficult to track off-chain changes.

```
_lastLpSupply = amount
```

Recommendation

Emit an event for critical parameter changes.

L14 - Uninitialized Variables in Local Scope

Criticality

minor

Location

TheWeb3Project.sol#L1765,1771

Description

There are variables that are defined in the local scope and are not initialized.

```
sellFee  
redistTokenAmount
```

Recommendation

All the local scoped variables should be initialized.

Contract Functions

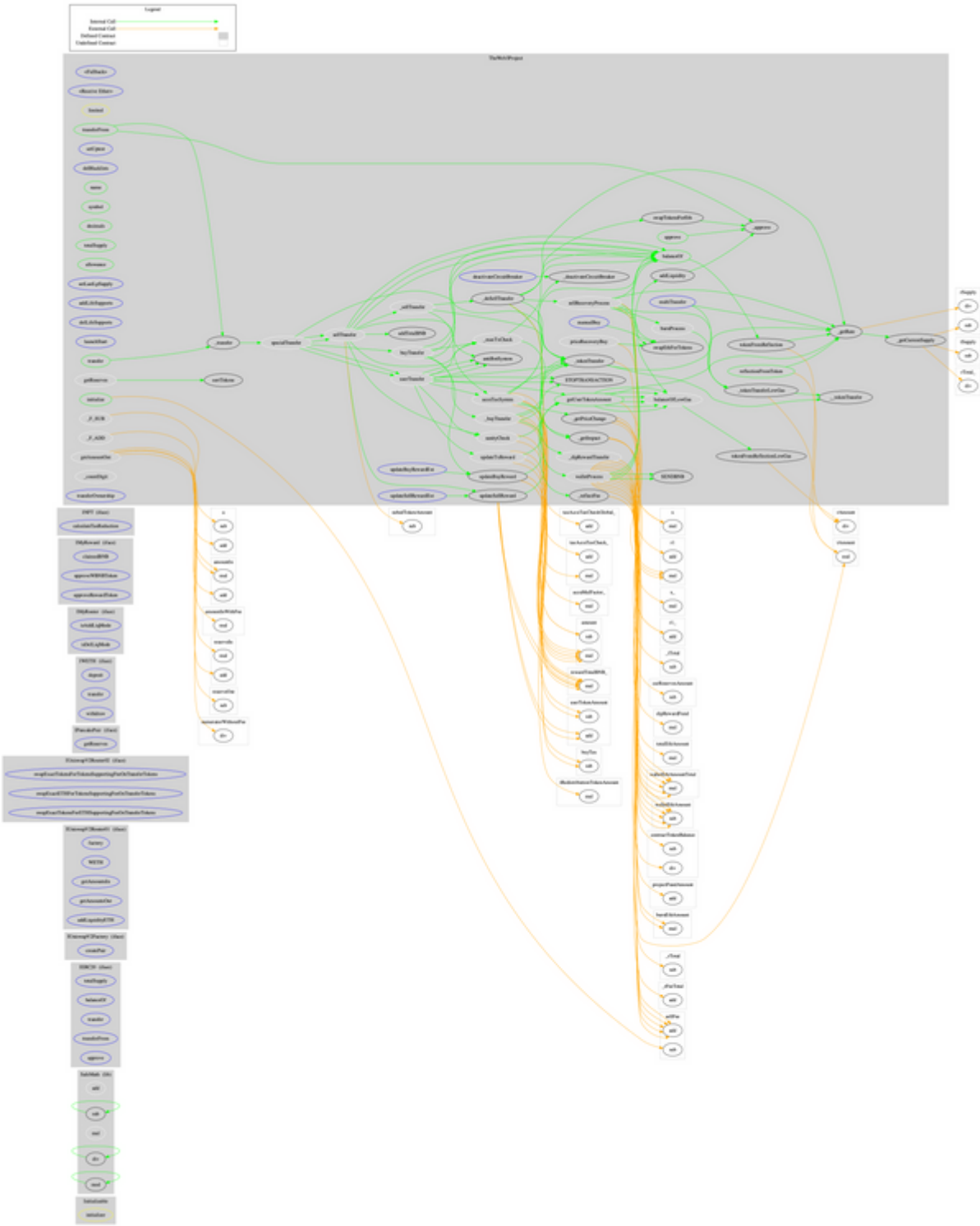
Contract	Type	Bases		
	Function Name	Visibility	Mutability	Modifiers
Initializable	Implementation			
SafeMath	Library			
	add	Internal		
	sub	Internal		
	sub	Internal		
	mul	Internal		
	div	Internal		
	div	Internal		
	mod	Internal		
	mod	Internal		
IERC20	Interface			
	totalSupply	External		-
	balanceOf	External		-
	transfer	External	✓	-
	transferFrom	External	✓	-
	approve	External	✓	-
IUniswapV2Factory	Interface			
	createPair	External	✓	-
IUniswapV2Router01	Interface			
	factory	External		-
	WETH	External		-
	getAmountsIn	External		-
	getAmountsOut	External		-

	addLiquidityETH	External	Payable	-
IUniswapV2Router02	Interface	IUniswapV2Router01		
	swapExactTokensForTokensSupportingFeeOnTransferTokens	External	✓	-
	swapExactETHForTokensSupportingFeeOnTransferTokens	External	Payable	-
	swapExactTokensForETHSupportingFeeOnTransferTokens	External	✓	-
IPancakePair	Interface			
	getReserves	External		-
IWETH	Interface			
	deposit	External	Payable	-
	transfer	External	✓	-
	withdraw	External	✓	-
IMyRouter	Interface			
	isAddLiqMode	External		-
	isDelLiqMode	External		-
IMyReward	Interface			
	claimedBNB	External		-
	approveWBNBToken	External	✓	-
	approveRewardToken	External	✓	-
INFT	Interface			
	calculateTaxReduction	External		-
TheWeb3Project	Implementation	Initializable		
	<Fallback>	External	Payable	-
	<Receive Ether>	External	Payable	-
	initialize	Public	✓	initializer
	setUpTest	External	✓	-

	delBlacklists	External	✓	limited
	name	Public		-
	symbol	Public		-
	decimals	Public		-
	totalSupply	Public		-
	balanceOf	Public		-
	reflectionFromToken	Public		-
	tokenFromReflection	Public		-
	balanceOfLowGas	Internal		
	tokenFromReflectionLowGas	Internal		
	allowance	Public		-
	approve	Public	✓	-
	_approve	Internal	✓	
	antiBotSystem	Internal	✓	
	_deactivateCircuitBreaker	Internal	✓	
	deactivateCircuitBreaker	External	✓	limited
	accuTaxSystem	Internal	✓	
	_getImpact	Internal		
	_getPriceChange	Internal		
	_maxTxCheck	Internal		
	addTotalBNB	Internal	✓	
	getUserTokenAmount	Public		-
	updateBuyRewardExt	External	✓	-
	updateSellRewardExt	External	✓	-
	updateBuyReward	Internal	✓	
	updateSellReward	Internal	✓	
	updateTxReward	Internal	✓	
	_dipRewardTransfer	Internal	✓	
	setLastLpSupply	External	✓	-
	sanityCheck	Internal	✓	
	userTransfer	Internal	✓	
	_buyTransfer	Internal	✓	
	buyTransfer	Internal	✓	
	_sellTransfer	Internal	✓	
	sellTransfer	Internal	✓	

	addLifeSupports	External	✓	limited
	delLifeSupports	External	✓	limited
	launchStart	External	✓	limited
	specialTransfer	Internal	✓	
	transfer	Public	✓	-
	transferFrom	Public	✓	-
	_transfer	Internal	✓	
	_F_ADD	Internal	✓	
	_F_SUB	Internal	✓	
	priceRecoveryBuy	Internal	✓	
	walletProcess	Internal	✓	
	burnProcess	Internal	✓	
	sellRecoveryProcess	Internal	✓	
	_doSellTransfer	Internal	✓	
	manualBuy	External	✓	limited
	swapEthForTokens	Internal	✓	
	swapTokensForEth	Internal	✓	
	addLiquidity	Internal	✓	
	__tokenTransfer	Internal	✓	
	_tokenTransfer	Internal	✓	
	_tokenTransferLowGas	Internal	✓	
	_getRate	Internal		
	_getCurrentSupply	Internal		
	_reflectFee	Internal	✓	
	sortTokens	Internal		
	getReserves	Internal		
	getAmountOut	Internal		
	SENDER	Internal	✓	
	STOPTRANSACTION	Internal		
	_countDigit	Internal		
	multiTransfer	External	✓	-
	transferOwnership	External	✓	limited

Contract Flow



Domain Info

Domain Name	theweb3project.com
Registry Domain ID	2670706440_DOMAIN_COM-VRSN
Creation Date	2022-01-25T05:57:42Z
Updated Date	2022-01-31T10:26:18Z
Registry Expiry Date	
Registrar WHOIS Server	whois.google.com
Registrar URL	https://domains.google.com
Registrar	Google LLC
Registrar IANA ID	895

The domain has been created 16 days before the creation of the audit.

There is no public billing information, the creator is protected by the privacy settings.

Summary

Web3 project is aiming to increase the general public adoption of web3. The smart contract analysis did not report any major issues. The contract contains custom functionality with a lot of diversion from a typical ERC20 implementation.

The contract manually applies the buy and sell functionality. Many code segments could be written better and save gas. The audit mentions some optimizations, limitations and notes regarding the contract functionality.

Disclaimer

All the content provided in this document is for general information only and should not be used as financial advice or a reason to buy any investment.

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The CoinScope team disclaims any liability for the resulting losses.

About Coinscope

Coinscope is the leading early coin listing, voting and auditing authority firm. The audit process is analyzing and monitoring many aspects of the project. That way, it gives the community a good sense of security using an informative report and a generic score.

Coinscope is aiming to make crypto discoverable and efficient globally. It provides all the essential tools to assist users draw their own conclusions.



The Coinscope.co team

<https://www.coinscope.co>