Cyberscope

Audit Report
BrickInfinity

April 2023

Network   BSC

Address   0xf2c0a2d6a77414189a071ad2de0c919f6108b7cb

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Review

Contract Name	BrickInfinity
Compiler Version	v0.8.19+commit.7dd6d404
Optimization	200 runs
Explorer	https://bscscan.com/address/0xf2c0a2d6a77414189a071ad2de0c919f6108b7cb
Address	0xf2c0a2d6a77414189a071ad2de0c919f6108b7cb
Network	BSC
Symbol	Brick
Decimals	18
Total Supply	1,000,000,000

Audit Updates

Initial Audit	14 Apr 2023
Corrected Phase 2	16 Apr 2023

Source Files

Filename	**SHA256**
BrickInfinity.sol	99eb5d0e6850748b3470a15ffab8aaa745f0370e5a7a3da5a0caceac65c2a945

Analysis

● Critical   ● Medium   ● Minor / Informative   ● Pass

Severity	Code	Description	Status
●	ST	Stops Transactions	Passed
●	OCTD	Transfers Contract's Tokens	Passed
●	OTUT	Transfers User's Tokens	Passed
●	ELFM	Exceeds Fees Limit	Passed
●	ULTW	Transfers Liquidity to Team Wallet	Passed
●	MT	Mints Tokens	Passed
●	BT	Burns Tokens	Passed
●	BC	Blacklists Addresses	Passed

Diagnostics

All the findings have been resolved in the current iteration.

Functions Analysis

Contract	Type	Bases		
	Function Name	Visibility	Mutability	Modifiers
IPancakeswapV 2Factory	Interface			
	feeTo	External		-
	feeToSetter	External		-
	allPairsLength	External		-
	createPair	External	✓	-
	setFeeTo	External	✓	-
	getPair	External		-
	allPairs	External		-
	setFeeToSetter	External	✓	-
IPancakeswapV 2Pair	Interface			
	symbol	External		-
	name	External		-
	decimals	External		-
	balanceOf	External		-
	totalSupply	External		-
	allowance	External		-
	approve	External	✓	-
	transfer	External	✓	-

	transferFrom	External	✓	-
	DOMAIN_SEPARATOR	External		-
	PERMIT_TYPEHASH	External		-
	nonces	External		-
	permit	External	✓	-
	MINIMUM_LIQUIDITY	External		-
	factory	External		-
	token0	External		-
	token1	External		-
	getReserves	External		-
	price0CumulativeLast	External		-
	price1CumulativeLast	External		-
	kLast	External		-
	mint	External	✓	-
	burn	External	✓	-
	swap	External	✓	-
	skim	External	✓	-
	sync	External	✓	-
	initialize	External	✓	-
IPancakeswapV2Router01	Interface			
	factory	External		-
	WETH	External		-

	addLiquidity	External	✓	-
	addLiquidityETH	External	Payable	-
	removeLiquidity	External	✓	-
	removeLiquidityETH	External	✓	-
	removeLiquidityWithPermit	External	✓	-
	removeLiquidityETHWithPermit	External	✓	-
	swapExactTokensForTokens	External	✓	-
	swapTokensForExactTokens	External	✓	-
	swapExactETHForTokens	External	Payable	-
	swapTokensForExactETH	External	✓	-
	swapExactTokensForETH	External	✓	-
	swapETHForExactTokens	External	Payable	-
	quote	External		-
	getAmountOut	External		-
	getAmountIn	External		-
	getAmountsOut	External		-
	getAmountsIn	External		-
IPancakeswapV2Router02	Interface	IPancakeswapV2Router01		
	removeLiquidityETHSupportingFeeOnTransferTokens	External	✓	-
	removeLiquidityETHWithPermitSupportingFeeOnTransferTokens	External	✓	-
	swapExactETHForTokensSupportingFeeOnTransferTokens	External	Payable	-

	swapExactTokensForTokensSupporting FeeOnTransferTokens	External	✓	-
	swapExactTokensForETHSupportingFee OnTransferTokens	External	✓	-
IBEP20	Interface			
	balanceOf	External		-
	totalSupply	External		-
	transfer	External	✓	-
	allowance	External		-
	approve	External	✓	-
	transferFrom	External	✓	-
IBEP20Metadat a	Interface	IBEP20		
	name	External		-
	decimals	External		-
	symbol	External		-
Context	Implementation			
	_msgSender	Internal		
Ownable	Implementation	Context		
		Public	✓	-
	owner	Public		-
	_checkOwner	Internal		

	renounceOwnership	Public	✓	onlyOwner
	transferOwnership	Public	✓	onlyOwner
	_transferOwnership	Internal	✓	
BEP20	Implementation	Context, IBEP20, IBEP20Meta data		
		Public	✓	-
	name	Public		-
	symbol	Public		-
	decimals	Public		-
	balanceOf	Public		-
	totalSupply	Public		-
	transfer	Public	✓	-
	allowance	Public		-
	approve	Public	✓	-
	transferFrom	Public	✓	-
	increaseAllowance	Public	✓	-
	decreaseAllowance	Public	✓	-
	_transfer	Internal	✓	
	_mint	Internal	✓	
	_approve	Internal	✓	
	_spendAllowance	Internal	✓	

| BrickInfinity	Implementation	BEP20, Ownable		
		Public	✓	BEP20
	changeMarketingTax	External	✓	onlyOwner
	_swapTokensForEth	Private	✓	lockTheSwap
	_transfer	Internal	✓	
	excludeFromFee	External	✓	onlyOwner
	isExcludedFromFee	External		-

Inheritance Graph
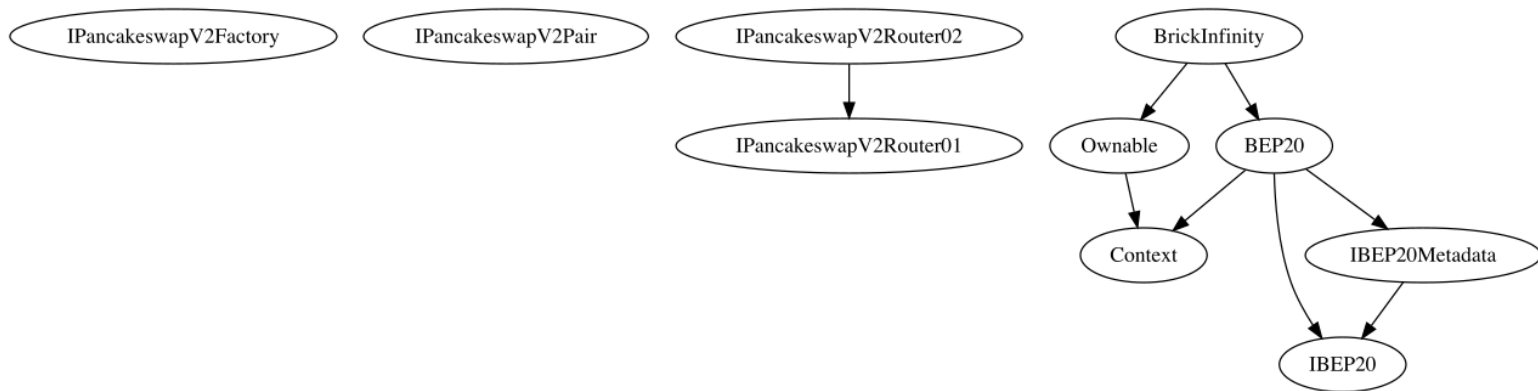
Flow Graph
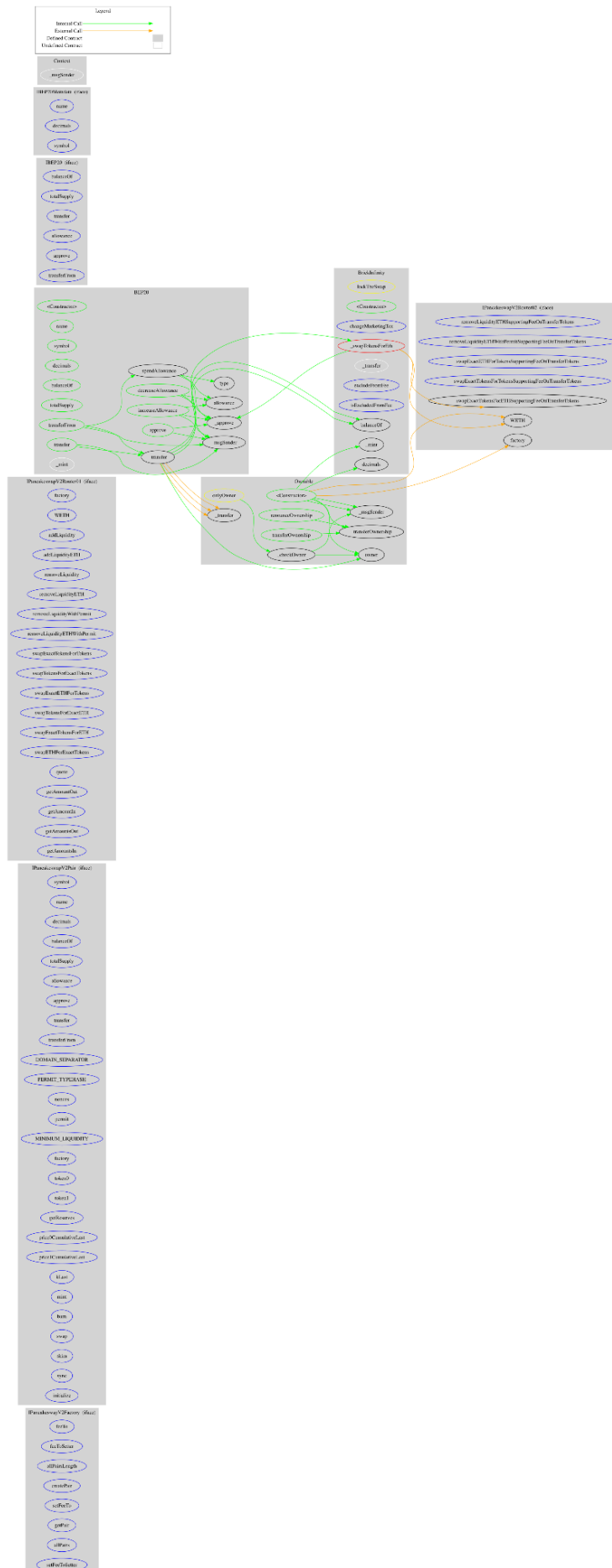
Summary

BrickInfinity contract implements a token mechanism. This audit investigates security issues, business logic concerns and potential improvements. BrickInfinity is an interesting project that has a friendly and growing community. The Smart Contract analysis reported no compiler error or critical issues. The contract Owner can access some admin functions that can not be used in a malicious way to disturb the users' transactions. The fees are fixed to 5%. All the findings have been resolved in the current iteration.

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Cyberscope is one of the leading smart contract audit firms in the crypto space and has built a high-profile network of clients and partners.

The Cyberscope team

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