



# Smart Contract Audit

FOR  
**BETCOIN CASH**

DATED : 28 JAN 23'



# AUDIT SUMMARY

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**Project name – BETCOIN CASH**

**Date:** 28 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	1
Acknowledged	0	0	0	0	0
Resolved	0	0	0	0	0

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# USED TOOLS

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## 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 Testnet 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/0xd40225b839a8a0e014fdd9cf1dab28cf7642d040>

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# Token Information

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**Token Name :** Bitcoin Cash

**Token Symbol:** BETC

**Decimals:** 9

**Token Address:** Not Deployed on Chain

**Checksum:**

2F7ADE6C239719849C39B26D1034738849B87C92  
DBEA5A42FBFBBC62C4D0D2EE

**Deployer:** Not Deployed on Chain

**Owner:** Not Deployed on Chain

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# TOKEN OVERVIEW

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## **Fees:**

Buy Fees: 25%

Sell Fees: 25%

Transfer Fees: upto 25%

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**Fees Privilige:** Owner

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**Ownership :** Owned

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**Minting:** No mint function

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**Max Tx Amount/ Max Wallet Amount:** No

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**Blacklist:** No

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**Other Privileges:** None

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# AUDIT METHODOLOGY

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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.
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# VULNERABILITY CHECKLIST

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- |                                                                                                                    |                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
|  Return values of low-level calls  |  Gasless Send                  |
|  Private modifier                  |  Using block.timestamp         |
|  Multiple Sends                    |  Re-entrancy                   |
|  Using Suicide                    |  Tautology or contradiction   |
|  Gas Limitand 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

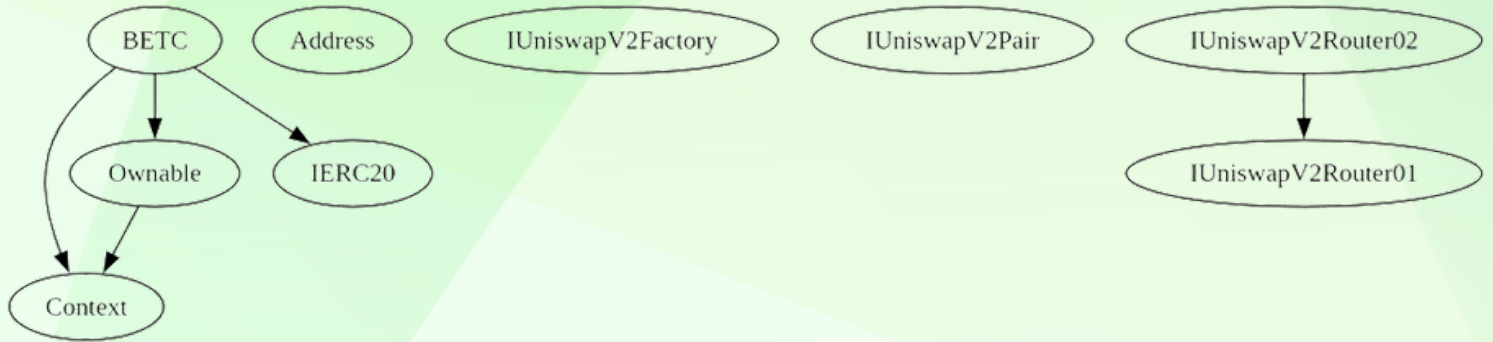
◆ Critical	0
◆ High-Risk	0
◆ Medium-Risk	0
◆ Low-Risk	0
◆ Gas Optimization / Suggestions	1





# INHERITANCE TREE

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# POINTS TO NOTE





















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- **Owner is not able to set taxes over 25% (Buy + Sell = 50% maximum 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**
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# CONTRACT ASSESMENT

Contract	Type	Bases			
:-----: :-----: :-----: :-----: :-----:					
L	<b>**Function Name**</b>	<b>**Visibility**</b>	<b>**Mutability**</b>	<b>**Modifiers**</b>	
	<b>**Context**</b>	Implementation			
L	_msgSender	Internal	🔒		
L	_msgData	Internal	🔒		
	<b>**Ownable**</b>	Implementation	Context		
L	<Constructor>	Public	!	🛑	NO!
L	owner	Public	!	NO!	
L	renounceOwnership	Public	!	🛑	onlyOwner
L	transferOwnership	Public	!	🛑	onlyOwner
	<b>**IERC20**</b>	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!
	<b>**Address**</b>	Library			
L	isContract	Internal	🔒		
L	sendValue	Internal	🔒	🛑	
L	functionCall	Internal	🔒	🛑	
L	functionCall	Internal	🔒	🛑	
L	functionCallWithValue	Internal	🔒	🛑	
L	functionCallWithValue	Internal	🔒	🛑	
L	_functionCallWithValue	Private	🔒	🛑	
	<b>**IUniswapV2Factory**</b>	Interface			
L	feeTo	External	!	NO!	
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!
	<b>**IUniswapV2Pair**</b>	Interface			

# CONTRACT ASSESMENT

```
|  | 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 ! |
|  | burn | External ! |  | NO ! |
|  | swap | External ! |  | NO ! |
|  | skim | External ! |  | NO ! |
|  | sync | External ! |  | NO ! |
|  | initialize | External ! |  | NO ! |
|  |  |  |  |  |
| **IUniswapV2Router01** | Interface | | |
|  | factory | External ! | | NO ! |
|  | WETH | External ! | | NO ! |
|  | addLiquidity | External ! |  | NO ! |
|  | addLiquidityETH | External ! |  | NO ! |
|  | removeLiquidity | External ! |  | NO ! |
|  | removeLiquidityETH | External ! |  | NO ! |
|  | removeLiquidityWithPermit | External ! |  | NO ! |
|  | removeLiquidityETHWithPermit | External ! |  | NO ! |
|  | swapExactTokensForTokens | External ! |  | NO ! |
|  | swapTokensForExactTokens | External ! |  | NO ! |
|  | swapExactETHForTokens | External ! |  | NO ! |
|  | swapTokensForExactETH | External ! |  | NO ! |
|  | swapExactTokensForETH | External ! |  | NO ! |
```

# CONTRACT ASSESMENT

```

|  | swapETHForExactTokens | External ! |  | NO! |
|  | quote | External ! | | NO! |
|  | getAmountOut | External ! | | NO! |
|  | getAmountIn | External ! | | NO! |
|  | getAmountsOut | External ! | | NO! |
|  | getAmountsIn | External ! | | NO! |
|  |  |
|  |  |
| **IUniswapV2Router02** | Interface | IUniswapV2Router01 |  |
|  | removeLiquidityETHSupportingFeeOnTransferTokens | External ! |  | NO! |
|  | removeLiquidityETHWithPermitSupportingFeeOnTransferTokens | External ! |  | NO! |
|  | swapExactTokensForTokensSupportingFeeOnTransferTokens | External ! |  | NO! |
|  | swapExactETHForTokensSupportingFeeOnTransferTokens | External ! |  | NO! |
|  | swapExactTokensForETHSupportingFeeOnTransferTokens | External ! |  | NO! |
|  |  |
| **BETC** | Implementation | Context, IERC20, Ownable |  |
|  | <Constructor> | Public ! |  | NO! |
|  | name | Public ! | | NO! |
|  | symbol | Public ! | | NO! |
|  | decimals | Public ! | | NO! |
|  | totalSupply | Public ! | | NO! |
|  | balanceOf | Public ! | | NO! |
|  | transfer | Public ! |  | NO! |
|  | allowance | Public ! | | NO! |
|  | approve | Public ! |  | NO! |
|  | transferFrom | Public ! |  | NO! |
|  | increaseAllowance | Public ! |  | NO! |
|  | decreaseAllowance | Public ! |  | NO! |
|  | isExcludedFromReward | Public ! | | NO! |
|  | totalReflectionDistributed | Public ! | | NO! |
|  | deliver | Public ! |  | NO! |
|  | reflectionFromToken | Public ! | | NO! |
|  | tokenFromReflection | Public ! | | NO! |
|  | excludeFromReward | Public ! |  | onlyOwner |
|  | includeInReward | External ! |  | onlyOwner |
|  | <Receive Ether> | External ! |  | NO! |
|  | claimStuckTokens | External ! |  | onlyOwner |
|  | _reflectFee | Private  |  |  |
|  | _getValues | Private  |  |  |
|  | _getTValues | Private  |  |  |
|  | _getRValues | Private  |  |  |
|  | _getRate | Private  |  |  |

```

# CONTRACT ASSESSMENT

```

| | _getCurrentSupply | Private | | | |
| | _takeLiquidity | Private | | |
| | _takeMarketing | Private | | |
| | calculateTaxFee | Private | | |
| | calculateLiquidityFee | Private | | |
| | calculateMarketingFee | Private | | |
| | removeAllFee | Private | | |
| | setBuyFee | Private | | |
| | setSellFee | Private | | |
| | isExcludedFromFee | Public | | NO |
| | _approve | Private | | |
| | enableTrading | External | | | onlyOwner |
| | _transfer | Private | | |
| | swapAndLiquify | Private | | |
| | swapAndSendMarketing | Private | | |
| | setSwapTokensAtAmount | External | | | onlyOwner |
| | setSwapEnabled | External | | | onlyOwner |
| | _tokenTransfer | Private | | |
| | _transferStandard | Private | | |
| | _transferToExcluded | Private | | |
| | _transferFromExcluded | Private | | |
| | _transferBothExcluded | Private | | |
| | excludeFromFees | External | | | onlyOwner |
| | changeMarketingWallet | External | | | onlyOwner |
| | setBuyFeePercentages | External | | | onlyOwner |
| | setSellFeePercentages | External | | | onlyOwner |
| | enableWalletToWalletTransferWithoutFee | External | | | onlyOwner |
| | | | |
| | **IERC20** | Interface | | |
| | totalSupply | External | | | NO |
| | balanceOf | External | | | NO |
| | transfer | External | | | NO |
| | allowance | External | | | NO |
| | approve | External | | | NO |
| | transferFrom | External | | | NO |

```

Symbol	Meaning
$\alpha$	Significance level
$\beta$	Power of the test
$\gamma$	Confidence interval
$\delta$	Standard deviation
$\epsilon$	Standard error
$\zeta$	Correlation coefficient
$\eta$	Effect size
$\theta$	Parameter estimate
$\iota$	Intercept
$\kappa$	Consistency
$\lambda$	Wavelength
$\mu$	Mean
$\nu$	Frequency
$\xi$	Error term
$\omicron$	Order
$\pi$	Probability
$\rho$	Correlation
$\sigma$	Standard deviation
$\tau$	Time
$\upsilon$	Velocity
$\phi$	Phase
$\chi$	Chi-square
$\psi$	Wave function
$\omega$	Angular frequency
$\Omega$	Omega
$\Upsilon$	Upsilon
$\Phi$	Phi
$\Psi$	Psi
$\Xi$	Xi
$\Omicron$	Omicron
$\Pi$	Pi
$\Sigma$	Sigma
$\Upsilon$	Upsilon
$\Phi$	Phi
$\Psi$	Psi
$\Xi$	Xi
$\Omicron$	Omicron
$\Pi$	Pi
$\Sigma$	Sigma
$\Upsilon$	Upsilon
$\Phi$	Phi
$\Psi$	Psi
$\Xi$	Xi
$\Omicron$	Omicron
$\Pi$	Pi
$\Sigma$	Sigma
$\Upsilon$	Upsilon
$\Phi$	Phi
$\Psi$	Psi
$\Xi$	Xi
$\Omicron$	Omicron
$\Pi$	Pi
$\Sigma$	Sigma
$\Upsilon$	Upsilon
$\Phi$	Phi
$\Psi$	Psi
$\Xi$	Xi
$\Omicron$	Omicron
$\Pi$	Pi
$\Sigma$	Sigma
$\Upsilon$	Upsilon
$\Phi$	Phi
$\Psi$	Psi
$\Xi$	Xi
$\Omicron$	Omicron
$\Pi$	Pi
$\Sigma$	Sigma
$\Upsilon$	Upsilon
$\Phi$	Phi
$\Psi$	Psi
$\Xi$	Xi
$\Omicron$	Omicron
$\Pi$	Pi
$\Sigma$	Sigma
$\Upsilon$	Upsilon
$\Phi$	Phi
$\Psi$	Psi
$\Xi$	Xi
$\Omicron$	Omicron
$\Pi$	Pi
$\Sigma$	Sigma
$\Upsilon$	Upsilon
$\Phi$	Phi
$\Psi$	Psi
$\Xi$	Xi
$\Omicron$	Omicron
$\Pi$	Pi
$\Sigma$	Sigma
$\Upsilon$	Upsilon
$\Phi$	Phi
$\Psi$	Psi
$\Xi$	Xi
$\Omicron$	Omicron
$\Pi$	Pi
$\Sigma$	Sigma
$\Upsilon$	Upsilon
$\Phi$	Phi
$\Psi$	Psi
$\Xi$	Xi
$\Omicron$	Omicron
$\Pi$	Pi
$\Sigma$	Sigma
$\Upsilon$	Upsilon
$\Phi$	Phi
$\Psi$	Psi
$\Xi$	Xi
$\Omicron$	Omicron
$\Pi$	Pi
$\Sigma$	Sigma
$\Upsilon$	Upsilon
$\Phi$	Phi
$\Psi$	Psi
$\Xi$	Xi
$\Omicron$	Omicron
$\Pi$	Pi
$\Sigma$	Sigma
$\Upsilon$	Upsilon
$\Phi$	Phi
$\Psi$	Psi
$\Xi$	Xi
$\Omicron$	Omicron
$\Pi$	Pi
$\Sigma$	Sigma
$\Upsilon$	Upsilon
$\Phi$	Phi
$\Psi$	Psi
$\Xi$	Xi
$\Omicron$	Omicron
$\Pi$	Pi
$\Sigma$	Sigma
$\Upsilon$	Upsilon
$\Phi$	Phi
$\Psi$	Psi
$\Xi$	Xi
$\Omicron$	Omicron
$\Pi$	Pi
$\Sigma$	Sigma
$\Upsilon$	Upsilon
$\Phi$	Phi
$\Psi$	Psi
$\Xi$	Xi
$\Omicron$	Omicron
$\Pi$	Pi
$\Sigma$	Sigma
$\Upsilon$	Upsilon
$\Phi$	Phi
$\Psi$	Psi
$\Xi$	Xi
$\Omicron$	Omicron
$\Pi$	Pi
$\Sigma$	Sigma
$\Upsilon$	Upsilon
$\Phi$	Phi
$\Psi$	Psi
$\Xi$	Xi
$\Omicron$	Omicron
$\Pi$	Pi
$\Sigma$	

$$| \begin{smallmatrix} : & & : \\ \vdots & & \vdots \end{smallmatrix} \text{---} \text{---} \text{---} \begin{smallmatrix} : & & : \\ \vdots & & \vdots \end{smallmatrix} | \text{---} \text{---} \text{---} |$$

|  | **Function can modify state** |

|  | **Function is payable** |



# STATIC ANALYSIS

```
BETC.constructor().router (contracts/Ace_Testing_BSC.sol#599) is a local variable never initialized
Reference: https://github.com/cryptic/sliether/wiki/Detector-Documentation#uninitialized-local-variables

BETC.swapAndLiquify(uint256) (contracts/Ace_Testing_BSC.sol#1014-1044) ignores return value by uniswapV2Router.addLiquidityETH(value: newBalance)(address(this),otherHalf,0,0,DEAD,block.timestamp) (contracts/Ace_Testing_BSC.sol#1034-1041)
Reference: https://github.com/cryptic/sliether/wiki/Detector-Documentation#unused-return

BETC.allowance(address,address).owner (contracts/Ace_Testing_BSC.sol#673) shadows:
- Ownable.owner() (contracts/Ace_Testing_BSC.sol#46-48) (function)
BETC._approve(address,address,uint256).owner (contracts/Ace_Testing_BSC.sol#958) shadows:
- Ownable.owner() (contracts/Ace_Testing_BSC.sol#46-48) (function)
Reference: https://github.com/cryptic/sliether/wiki/Detector-Documentation#local-variable-shadowing

Reentrancy in BETC.transfer(address,address,uint256) (contracts/Ace_Testing_BSC.sol#971-1012):
External calls:
- swapAndLiquify(liquidityTokens) (contracts/Ace_Testing_BSC.sol#998)
  - uniswapV2Router.swapExactTokensForETHSupportingFeeOnTransferTokens(half,0,path,address(this),block.timestamp) (contracts/Ace_Testing_BSC.sol#1024-1030)
  - uniswapV2Router.addLiquidityETH(value: newBalance)(address(this),otherHalf,0,0,DEAD,block.timestamp) (contracts/Ace_Testing_BSC.sol#1034-1041)
- swapAndSendMarketing(marketingTokens) (contracts/Ace_Testing_BSC.sol#1004)
  - (success) = recipient.call(value: amount)() (contracts/Ace_Testing_BSC.sol#122)
  - uniswapV2Router.swapExactTokensForETHSupportingFeeOnTransferTokens(tokenAmount,0,path,address(this),block.timestamp) (contracts/Ace_Testing_BSC.sol#1053-1059)
  - address(marketingWallet).sendValue(newBalance) (contracts/Ace_Testing_BSC.sol#1063)
External calls sending eth:
- swapAndLiquify(liquidityTokens) (contracts/Ace_Testing_BSC.sol#998)
  - uniswapV2Router.addLiquidityETH(value: newBalance)(address(this),otherHalf,0,0,DEAD,block.timestamp) (contracts/Ace_Testing_BSC.sol#1034-1041)
- swapAndSendMarketing(marketingTokens) (contracts/Ace_Testing_BSC.sol#1004)
  - (success) = recipient.call(value: amount)() (contracts/Ace_Testing_BSC.sol#122)
State variables written after the call(s):
- _tokenTransfer(from,to,amount) (contracts/Ace_Testing_BSC.sol#1011)
  - liquidityFee = 0 (contracts/Ace_Testing_BSC.sol#927)
  - liquidityFee = liquidityFeeonBuy (contracts/Ace_Testing_BSC.sol#939)
  - liquidityFee = liquidityFeeonSell (contracts/Ace_Testing_BSC.sol#951)
- _tokenTransfer(from,to,amount) (contracts/Ace_Testing_BSC.sol#1011)
  - marketingFee = marketingFeeonSell (contracts/Ace_Testing_BSC.sol#950)
  - marketingFee = 0 (contracts/Ace_Testing_BSC.sol#926)
  - marketingFee = marketingFeeonBuy (contracts/Ace_Testing_BSC.sol#938)
- _tokenTransfer(from,to,amount) (contracts/Ace_Testing_BSC.sol#1011)
  - _feeTotal = _feeTotal + 1Fee (contracts/Ace_Testing_BSC.sol#807)
- _tokenTransfer(from,to,amount) (contracts/Ace_Testing_BSC.sol#1011)
  - taxFee = 0 (contracts/Ace_Testing_BSC.sol#925)
  - taxFee = taxFeeonBuy (contracts/Ace_Testing_BSC.sol#937)
  - taxFee = taxFeeonSell (contracts/Ace_Testing_BSC.sol#949)
Reentrancy in BETC.transferFrom(address,address,uint256) (contracts/Ace_Testing_BSC.sol#687-699):
External calls:
- _transfer(sender,recipient,amount) (contracts/Ace_Testing_BSC.sol#692)
  - (success) = recipient.call(value: amount)() (contracts/Ace_Testing_BSC.sol#122)
  - uniswapV2Router.swapExactTokensForETHSupportingFeeOnTransferTokens(tokenAmount,0,path,address(this),block.timestamp) (contracts/Ace_Testing_BSC.sol#1053-1059)
  - address(marketingWallet).sendValue(newBalance) (contracts/Ace_Testing_BSC.sol#1063)
  - uniswapV2Router.swapExactTokensForETHSupportingFeeOnTransferTokens(half,0,path,address(this),block.timestamp) (contracts/Ace_Testing_BSC.sol#1024-1030)
  - uniswapV2Router.addLiquidityETH(value: newBalance)(address(this),otherHalf,0,0,DEAD,block.timestamp) (contracts/Ace_Testing_BSC.sol#1034-1041)
External calls sending eth:
- _transfer(sender,recipient,amount) (contracts/Ace_Testing_BSC.sol#692)
  - (success) = recipient.call(value: amount)() (contracts/Ace_Testing_BSC.sol#122)
  - uniswapV2Router.addLiquidityETH(value: newBalance)(address(this),otherHalf,0,0,DEAD,block.timestamp) (contracts/Ace_Testing_BSC.sol#1034-1041)
State variables written after the call(s):
- _approve(sender,_msgSender(),_allowances[sender][_msgSender()]-amount) (contracts/Ace_Testing_BSC.sol#693-697)
  - _allowances[owner][spender] = amount (contracts/Ace_Testing_BSC.sol#962)
Reference: https://github.com/cryptic/sliether/wiki/Detector-Documentation#reentrancy-vulnerabilities-2
```

**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/0x2612047b1b8fb63b05b4f98c2ff98d3ea5505b1f8c5d1d785dc5d57cc1eac71a>

## **1- Adding Liquidity (Passed):**

**liquidity added on Pancakeswap V2:**

<https://testnet.bscscan.com/tx/0x12f1ed001c1dc13baeef9b3a95de0a24e3d190b3f26565cd029793329d8a52e6>

**no issue were found on adding liquidity.**

## **2- Enabling trade for public (Passed):**

<https://testnet.bscscan.com/tx/0x2eb607828b3d0378a36bef48221500643d105f441c9068a8065dfc3901389909>

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

<https://testnet.bscscan.com/tx/0x87fb5b0c5024eb6cc1b82d232e5417a623f624c312fd4a240f93369b6101d94e>

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# FUNCTIONAL TESTING

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## 4- Enabling swap and liquify (Passed):

<https://testnet.bscscan.com/tx/0x0c0814ddf4db23589bbb7313a99b83d3114f480e178236a279d5810acf507b90>

## 5- Setting buy and sell fees to max (25%) (Passed):

<https://testnet.bscscan.com/tx/0x9b65b608afc1e2b3706600ea9b1017dd9220d0b2977010f22766c2cba29753c6>

<https://testnet.bscscan.com/tx/0xb0a801f8894979fb2e86d82b74818e6c87041543a4146e522c06122fca6a1768>

## 6- Buying from a non-whitelisted wallet (Passed):

<https://testnet.bscscan.com/tx/0x7f1a84e6a692b55fea1c47faa491d61fefbf53288c476501dcbfc0e6536cd4d2>

25% tax applied

## 5- Selling from a non-whitelisted wallet (Passed):

<https://testnet.bscscan.com/tx/0x9ed2eee007a6bc4b9b15abf2ef01fc473905fe710b47c8a4c8d5bfb3882cbae0>

25% tax applied

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# FUNCTIONAL TESTING

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## 6- Internal Swap (Passed):

taxes were swapped to BNB and sent to marketing wallet which can be seen here:

<https://testnet.bscscan.com/address/0x024238ae95bf8e4361ba58ca018e84c12c654509#internaltx>

## 7- Auto Liquidity (Passed):

LP tokens generated and sent to dead wallet which can be seen here:

<https://testnet.bscscan.com/token/0x72bf7c4286c90956d611e73fe704bae7305850ba?a=0x0000000000000000000000000000000000000000000000000000000000000000dead>

## 8- Transferring from non-whitelisted to non-whitelisted (Passed):

tried to transfer 100,000,000 tokens but 75,100,000 were sent (25% transfer tax)

<https://testnet.bscscan.com/tx/0x8614e4ce9b4e5c43303403e3743e52f20f74b41b27fc06e7710655f4d987636b>

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# FUNCTIONAL TESTING

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**9- Transferring while transfer taxes are off (wallet to wallet transfer without fee) (Passed):**

disabling transfer fees:

<https://testnet.bscscan.com/tx/0x0db8bfd374a567d37e2eac3ee16bfc420bb8487b3814694d0b5336e88cc864ff>

transferring 100,000,000 tokens from a non-whitelisted wallet to a non-whitelisted wallet without fee:

<https://testnet.bscscan.com/tx/0x7655acc43dc39669c6b1ed4dc6c025aedb79ca776dc55c3b7f414350093fa3d5>

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# MANUAL TESTING

## Suggestions

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- Emit a transfer event at `_takeMarketing` and `_takeLiquidity` events

# Social Media Overview

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**Here are the Social Media Accounts of  
BetCoin**



**<https://t.me/BetcoinCashOfficial>**



**[https://twitter.com/Betcoin\\_Cash](https://twitter.com/Betcoin_Cash)**



**<https://betcoincash.io/>**

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# DISCLAIMER

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# ABOUT AUDITACE

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We specializes in providing thorough and reliable audits for Web3 projects. With a team of experienced professionals, we use cutting-edge technology and rigorous methodologies to evaluate the security and integrity of blockchain systems. We are committed to helping our clients ensure the safety and transparency of their digital assets and transactions.



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