

Smart Contract Audit

FOR

BETCOIN CASH

DATED: 28 JAN 23'



AUDIT SUMMARY

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



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 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/0xd40225b839a 8a0e014fdd9cf1dab28cf7642d040



Token Information

Token Name: Betcoin Cash

Token Symbol: BETC

Decimals: 9

Token Address:

<u>0xbf7517cc8cb82bb2f1aebf6a693ed3fe602ec218</u>

Checksum:

2F7ADE6C239719849C39B26D1034738849B87C92 DBEA5A42FBFBBC62C4D0D2EE

Deployer:

0xcb64678c574c1e3a900a0010bc98ef2f79099c57

Owner:

0xcb64678c574c1e3a900a0010bc98ef2f79099c57



TOKEN OVERVIEW

Fees:

Buy Fees: 0.5%

Sell Fees: 3%

Transfer Fees: 3%

Fees Privilige: Owner

Ownership: Owned

Minting: No mint function

Max Tx Amount/ Max Wallet Amount: No

Blacklist: No

Other Priviliges: None



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-byline 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 isexercised 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





CLASSIFICATION OF RISK

Severity

- Critical
- High-Risk
- Medium-Risk
- Low-Risk
- Gas Optimization/Suggestion

Description

These vulnerabilities could be exploited easily and can lead to asset loss, data loss, asset, or data manipulation. They should be fixed right away.

A vulnerability that affects the desired outcome when using a contract, or provides the opportunity to use a contract in an unintended way.

A vulnerability that could affect the desired outcome of executing the contract in a specific scenario.

A vulnerability that does not have a significant impact on possible scenarios for the use of the contract and is probably subjective.

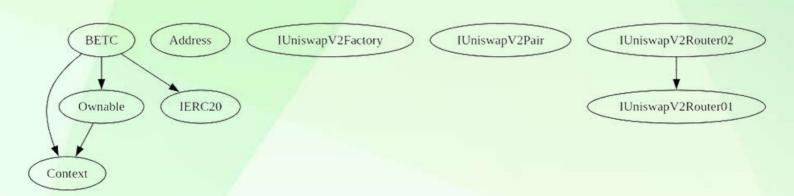
A vulnerability that has an informational character but is not affecting any of the code.

Findings

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



INHERITANCE TREE





POINTS TO NOTE

- 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



STATIC ANALYSIS

```
BETC. constructor().rester (contracts/Ace Testing BCC.cole999) is a local variable never initialized Peterneic https://github.com/cytic/Sittlerprikt/Petector-Documents/contracts/Ace Testing BCC.cole991.pdc.com/cytic/Sittlerprikt/Petector-Documents/contracts/Ace Testing BCC.cole991.pdc.com/contracts/Ace Test
```

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



Router (PCS V2):

0xD99D1c33F9fC3444f8101754aBC46c52416550D1

0- Deploying (Passed):

https://testnet.bscscan.com/tx/0x2612047b1b8fb63b05b4f98c2ff 98d3ea5505b1f8c5d1d785dc5d57cc1eac71a

1- Adding Liquidity (Passed):

liquidity added on Pancakeswap V2:

https://testnet.bscscan.com/tx/0x12f1ed001c1dc13baeef9b3a95de 0a24e3d190b3f26565cd029793329d8a52e6

no issue were found on adding liquidity.

2- Enabling trade for public (Passed):

https://testnet.bscscan.com/tx/0x2eb607828b3d0378a36bef4822 1500643d105f441c9068a8065dfc3901389909

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

https://testnet.bscscan.com/tx/0x87fb5b0c5024eb6cc1b82d232e 5417a623f624c312fd4a240f93369b6101d94e



4- Enabling swap and liquify (Passed):

https://testnet.bscscan.com/tx/0x0c0814ddf4db23589bbb7313a9 9b83d3114f480e178236a279d5810acf507b90

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

https://testnet.bscscan.com/tx/0x9b65b608afc1e2b3706600ea9b 1017dd9220d0b2977010f22766c2cba29753c6

https://testnet.bscscan.com/tx/0xb0a801f8894979fb2e86d82b74 818e6c87041543a4146e522c06122fca6a1768

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

 $\frac{https://testnet.bscscan.com/tx/0x7f1a84e6a692b55fea1c47faa49}{1d61fefbf53288c476501dcbfc0e6536cd4d2}$

25% tax applied

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

 $\frac{https://testnet.bscscan.com/tx/0x9ed2eee007a6bc4b9b15abf2ef0}{1fc473905fe710b47c8a4c8d5bfb3882cbae0}$

25% tax applied



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:

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/0x8614e4ce9b4e5c43303403e374 3e52f20f74b41b27fc06e7710655f4d987636b



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

disabling transfer fees:

https://testnet.bscscan.com/tx/0x0db8bfd374a567d37e2eac3ee1 6bfc420bb8487b3814694d0b5336e88cc864ff

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

 $\frac{https://testnet.bscscan.com/tx/0x7655acc43dc39669c6b1ed4dc6}{c025aedb79ca776dc55c3b7f414350093fa3d5}$



MANUAL TESTING

Suggestions

 Emit a transfer event at _takeMarketing and _takeLiquidity events



Social Media Overview

Here are the Social Media Accounts of BetCoin



https://t.me/BetcoinCashOfficial



https://twitter.com/Betcoin_Cash



https://betcoincash.io/



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. Team provides no guarantees against the sale of team tokens or the removal of liquidity by the project audited in this document. Always Do your own research and protect yourselves from being scammed. The Auditace team has audited this project for general information and only expresses their opinion based on similar projects and checks from popular diagnostic tools. Under no circumstances did Auditace receive a payment to manipulate those results or change the awarding badge that we will be adding in our website. Always Do your own research and protect yourselves from scams. This document should not be presented as a reason to buy or not buy any particular token. The Auditace team disclaims any liability for the resulting losses.



ABOUT AUDITACE

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.



https://auditace.tech/



https://t.me/Audit_Ace



https://twitter.com/auditace_



https://github.com/Audit-Ace