Coinsult

Advanced Manual Smart Contract Audit

Project: SHIBAMOVE

Website: https://shibmove.com/

🟢 Low-Risk	🟡 Medium-Risk	🔴 High-Risk
5 low-risk code issues found	0 medium-risk code issues found	0 high-risk code issues found

Contract Address

0x41Aa00be6566E00EE5Dc2C2D48A6A437e833e120

Disclaimer

Coinsult is not responsible if a project turns out to be a scam, rug-pull or honeypot. We only provide a detailed analysis for your own research.

Coinsult is not responsible for any financial losses. Nothing in this contract audit is financial advice, please do your own research.

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Coinsult can not be held responsible for when a project turns out to be a rug-pull, honeypot or scam.

Tokenomics

Rank	Address	Quantity (Token)	Percentage
1	Null Address: 0x000...dEaD	500,000,000,000,000	50.0000%
2	0x146321fdfbb7257e4ee08db7fbd4b8b327852ab9	390,330,000,000,000	39.0330%
3	0x84dafb4a6d9e01c2ae9ada91eed6bae87b654961	60,000,000,000,000	6.0000%
4	0x9bc1518951c30c7c643a6371f1add230fb422ff6	29,420,000,000,000	2.9420%
5	0x93ff847dfe83c685c1a284d37112e1d3067e1000	6,000,000,000,000	0.6000%

Source Code

Coinsult was comissioned by SHIBAMOVE to perform an audit based on the following smart contract:

https://bscscan.com/address/0x41Aa00be6566E00EE5Dc2C2D48A6A437e833e120#code

Manual Code Review

In this audit report we will highlight all these issues:

🟢 Low-Risk

5 low-risk code issues found

🟡 Medium-Risk

0 medium-risk code issues found

🔴 High-Risk

0 high-risk code issues found

The detailed report continues on the next page...

● **Low-Risk:** Could be fixed, will not bring problems.

Avoid relying on block.timestamp

block.timestamp can be manipulated by miners.

```
lastClaimTime = lastClaimTimes[account];

nextClaimTime = lastClaimTime &gt; 0 ?
                            lastClaimTime.add(claimWait) :
                            0;

secondsUntilAutoClaimAvailable = nextClaimTime &gt; block.timestamp ?
                                            nextClaimTime.sub(block.timestamp) :
                                            0;
```

Recommendation

Do not use `block.timestamp`, now or `blockhash` as a source of randomness

Exploit scenario

```
contract Game {

    uint reward_determining_number;

    function guessing() external{
      reward_determining_number = uint256(block.blockhash(10000)) % 10;
    }
}
```

Eve is a miner. Eve calls `guessing` and re-orders the block containing the transaction. As a result, Eve wins the game.

● **Low-Risk:** Could be fixed, will not bring problems.

Too many digits

Literals with many digits are difficult to read and review.

```
function updateGasForProcessing(uint256 newValue) public onlyOwner {
    require(newValue &gt;= 200000 &amp;&amp; newValue &lt;= 500000, &quot;GasForProcessing must be b
    require(newValue != gasForProcessing, &quot;Cannot update gasForProcessing to same value&quot;);
    emit GasForProcessingUpdated(newValue, gasForProcessing);
    gasForProcessing = newValue;
}
```

Recommendation

Use: Ether suffix, Time suffix, or The scientific notation

Exploit scenario

```
contract MyContract{
    uint 1_ether = 10000000000000000000;
}
```

While `1_ether` looks like `1 ether`, it is `10 ether`. As a result, it’s likely to be used incorrectly.

● **Low-Risk:** Could be fixed, will not bring problems.

No zero address validation for some functions

Detect missing zero address validation.

```
function setMarketingWallet(address payable wallet) external onlyOwner{
    _marketingWalletAddress = wallet;
}
```

Recommendation

Check that the new address is not zero.

Exploit scenario

```
contract C {

  modifier onlyAdmin {
    if (msg.sender != owner) throw;
    _;
  }

  function updateOwner(address newOwner) onlyAdmin external {
    owner = newOwner;
  }
}
```

Bob calls `updateOwner` without specifying the `newOwner`, soBob loses ownership of the contract.

● **Low-Risk:** Could be fixed, will not bring problems.

Unchecked transfer

The return value of an external transfer/transferFrom call is not checked.

```
function swapAndSendToFee(uint256 tokens) private  {
    uint256 initialCAKEBalance = IERC20(rewardToken).balanceOf(address(this));
    swapTokensForCake(tokens);
    uint256 newBalance = (IERC20(rewardToken).balanceOf(address(this))).sub(initialCAKEBalance);
    IERC20(rewardToken).transfer(_marketingWalletAddress, newBalance);
    AmountMarketingFee = AmountMarketingFee - tokens;
}
```

Recommendation

Use `SafeERC20`, or ensure that the transfer/transferFrom return value is checked.

Exploit scenario

```
contract Token {
    function transferFrom(address _from, address _to, uint256 _value) public returns (bool success);
}
contract MyBank{
    mapping(address => uint) balances;
    Token token;
    function deposit(uint amount) public{
        token.transferFrom(msg.sender, address(this), amount);
        balances[msg.sender] += amount;
    }
}
```

Several tokens do not revert in case of failure and return false. If one of these tokens is used in `MyBank`, `deposit` will not revert if the transfer fails, and an attacker can call `deposit` for free..

● **Low-Risk:** Could be fixed, will not bring problems.

Missing events arithmetic

Detect missing events for critical arithmetic parameters.

```
function setBuyTaxes(uint256 liquidity, uint256 rewardsFee, uint256 marketingFee, uint256 deadFee) e
    require(rewardsFee.add(liquidity).add(marketingFee).add(deadFee) &lt;= 25, &quot;Total buy fee i
    buyTokenRewardsFee = rewardsFee;
    buyLiquidityFee = liquidity;
    buyMarketingFee = marketingFee;
    buyDeadFee = deadFee;

}
```

Recommendation

Emit an event for critical parameter changes.

Exploit scenario

```
contract C {

  modifier onlyAdmin {
    if (msg.sender != owner) throw;
    _;
  }

  function updateOwner(address newOwner) onlyAdmin external {
    owner = newOwner;
  }
}
```

`updateOwner()` has no event, so it is difficult to track off-chain changes in the buy price.

Owner privileges

- 🟢 Owner cannot set fees higher than 25%
- 🟢 Owner cannot pause trading
- 🟢 Owner cannot change max transaction amount
- 🟡 Owner can exclude from fees
- 🔴 Owner can blacklist addresses

Extra notes by the team

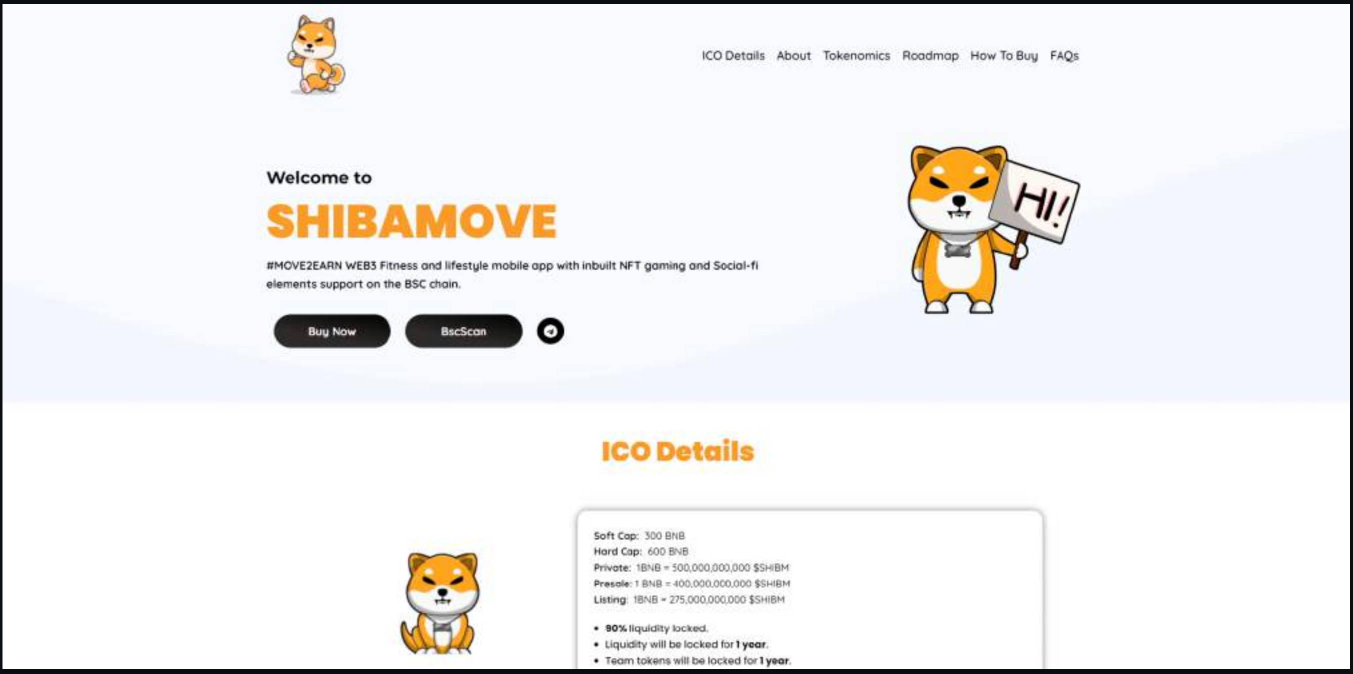
No notes

Contract Snapshot

```
contract CoinToken is ERC20, Ownable {
using SafeMath for uint256;

IUniswapV2Router02 public uniswapV2Router;
address public  uniswapV2Pair;

bool private swapping;

TokenDividendTracker public dividendTracker;

address public rewardToken;

uint256 public swapTokensAtAmount;

uint256 public buyTokenRewardsFee;
uint256 public sellTokenRewardsFee;
uint256 public buyLiquidityFee;
uint256 public sellLiquidityFee;
uint256 public buyMarketingFee;
uint256 public sellMarketingFee;
uint256 public buyDeadFee;
uint256 public sellDeadFee;
uint256 public AmountLiquidityFee;
uint256 public AmountTokenRewardsFee;
uint256 public AmountMarketingFee;

address public _marketingWalletAddress;
address private _node;

address public deadWallet = 0x000000000000000000000000000000000000dEaD;
mapping(address =&gt; bool) public _isEnemy;
```

Website Review

Coinsult checks the website completely manually and looks for visual, technical and textual errors. We also look at the security, speed and accessibility of the website. In short, a complete check to see if the website meets the current standard of the web development industry.



Welcome to

SHIBAMOVE

#MOVE2EARN WEB3 Fitness and lifestyle mobile app with inbuilt NFT gaming and Social-fi elements support on the BSC chain.

ICO Details

Soft Cap: 300 BNB
Hard Cap: 600 BNB
Private: 1BNB = 500,000,000,000 $SHIBM
Presale: 1 BNB = 400,000,000,000 $SHIBM
Listing: 1BNB = 275,000,000,000 $SHIBM

- **90%** liquidity locked.
- Liquidity will be locked for **1 year**.
- Team tokens will be locked for **1 year**.

● Mobile Friendly

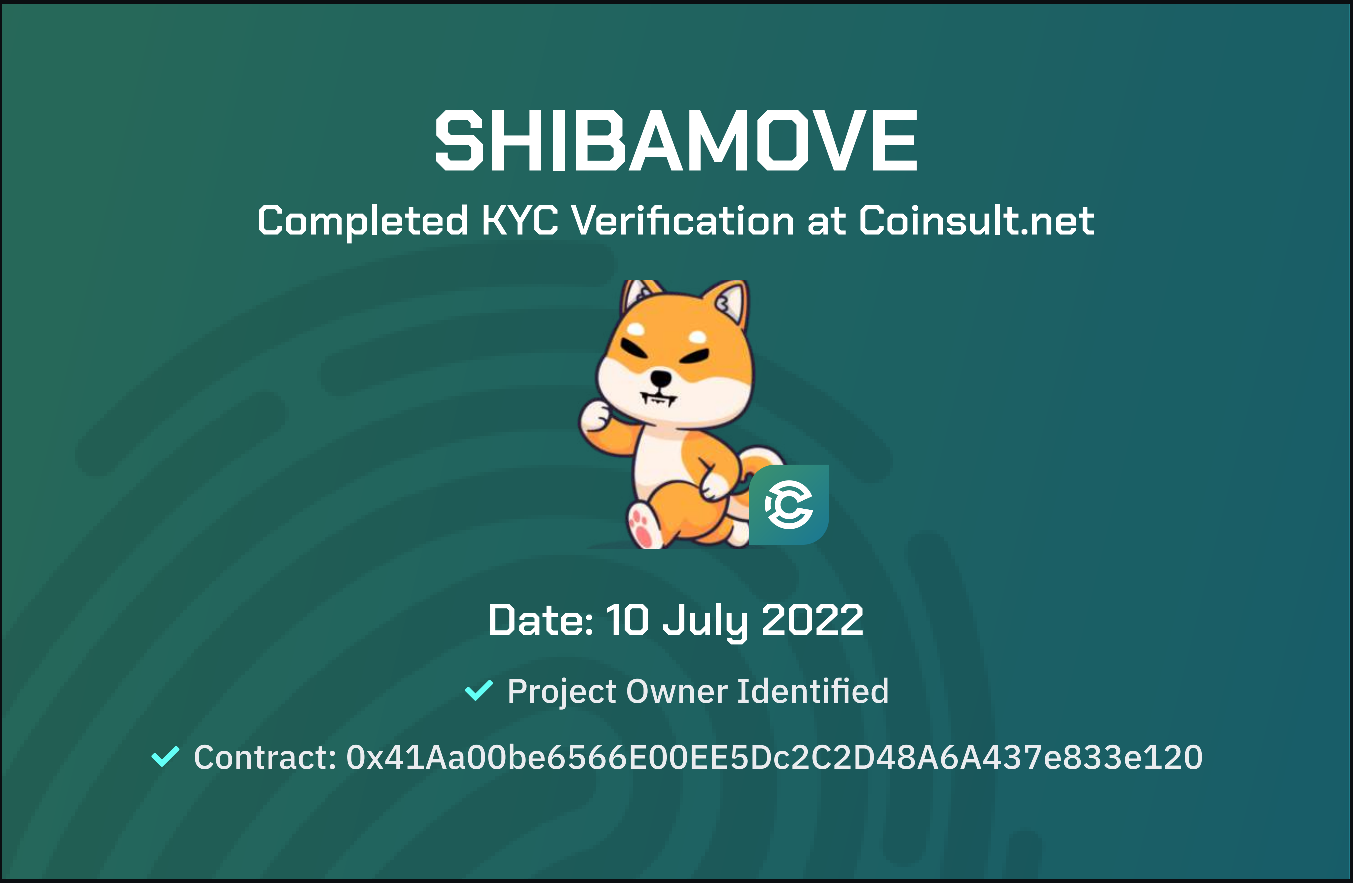
● Does not contain jQuery errors

● SSL Secured

● No major spelling errors

Project Overview

● KYC verified by Coinsult



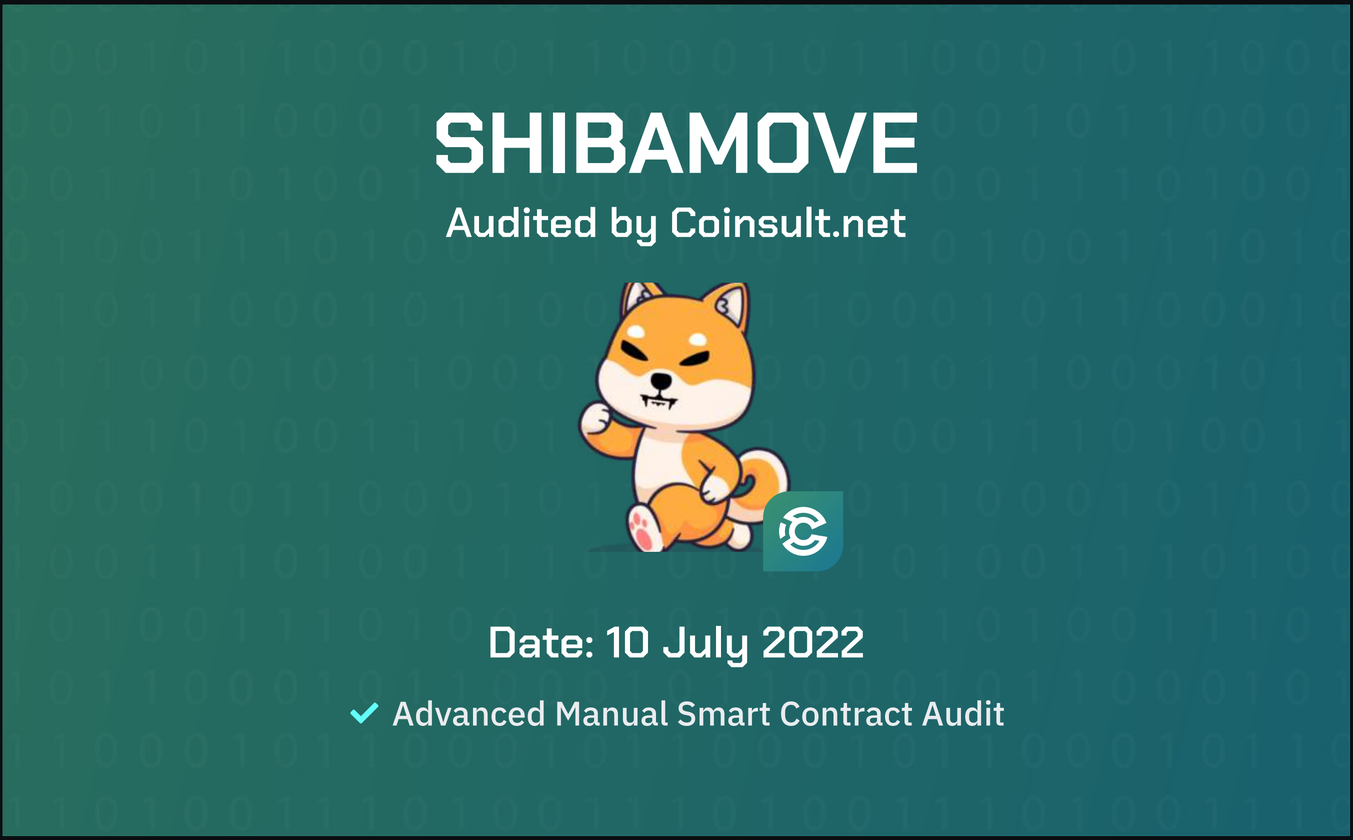
SHIBAMOVE

Completed KYC Verification at Coinsult.net

Date: 10 July 2022

✓ Project Owner Identified

✓ Contract: 0x41Aa00be6566E00EE5Dc2C2D48A6A437e833e120



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Audited by Coinsult.net

Date: 10 July 2022

✓ Advanced Manual Smart Contract Audit