Coinsult

Advanced Manual Smart Contract Audit

Project: Green Baby Floki

Website: https://gbfloki.io/

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

0x5f12cEFbd4C1312c728E83b14bec08c96EFD5C0a

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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Tokenomics

Rank	Address	Quantity (Token)	Percentage
1	0xe823b0957d8897135750fd08485ee7524a035ec7	1,000,000,000,000	100.0000%

Source Code

Coinsult was comissioned by Green Baby Floki to perform an audit based on the following smart contract:

https://bscscan.com/address/0x5f12cEFbd4C1312c728E83b14bec08c96EFD5C0a#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.

Wrong require statement

```
function updateSellFees(uint256 _marketingFeeOnSell, uint256 _rewardFeeOnSell) external onlyOwner {
    require(
         _marketingFeeOnSell + _rewardFeeOnSell &amp;lt;= 25,
        &amp;quot;Fees must be less than 25%&amp;quot;
    );
    rewardFeeOnSell    = _rewardFeeOnSell;
    marketingFeeOnSell = _marketingFeeOnSell;
    _totalFeesOnSell   =  marketingFeeOnSell + rewardFeeOnSell;
    emit UpdateSellFees( _marketingFeeOnSell, _rewardFeeOnSell);
}
```

Recommendation

Currently it’s not ‘less than 25’ but less or equal to 25.

🟢 **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 changeOperatorWallet(address newAddress) external onlyOperator{
    require(newAddress != operator,"Operator Address is already same");
    operator = newAddress;
}
```

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.

Functions that send Ether to arbitrary destinations

Unprotected call to a function sending Ether to an arbitrary address.

```
function sendBNB(address payable recipient, uint256 amount) internal {
    require(address(this).balance &gt;= amount, "Address: insufficient balance");

    (bool success, ) = recipient.call{value: amount}("");
    require(success, "Address: unable to send value, recipient may have reverted");
}
```

Recommendation

Ensure that an arbitrary user cannot withdraw unauthorized funds.

Exploit scenario

```
contract ArbitrarySend{
    address destination;
    function setDestination(){
        destination = msg.sender;
    }

    function withdraw() public{
        destination.transfer(this.balance);
    }
}
```

Bob calls `setDestination` and `withdraw`. As a result he withdraws the contract's balance.

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

Unchecked transfer

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

```
function claimStuckTokens(address token) external onlyOwner {
    require(token != address(this), "Owner cannot claim native tokens");
    if (token == address(0x0)) {
        payable(msg.sender).transfer(address(this).balance);
        return;
    }
    IERC20 ERC20token = IERC20(token);
    uint256 balance = ERC20token.balanceOf(address(this));
    ERC20token.transfer(msg.sender, balance);
}
```

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..

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 is able to transfer without fees
- ⚠️ Owner is able to exclude addresses from dividend
- ⚠️ Owner can set max wallet balance (cannot be lower than 1% of the total supply)
- ⚠️ Owner can set max transaction limit (cannot be lower than 0.1% of the total supply)
- ⚠️ Owner can exclude addresses from the max transaction limit and max wallet balance.
- ⚠️ Owner can update minimum holding balance to be eligible to dividend

Extra notes by the team

No notes

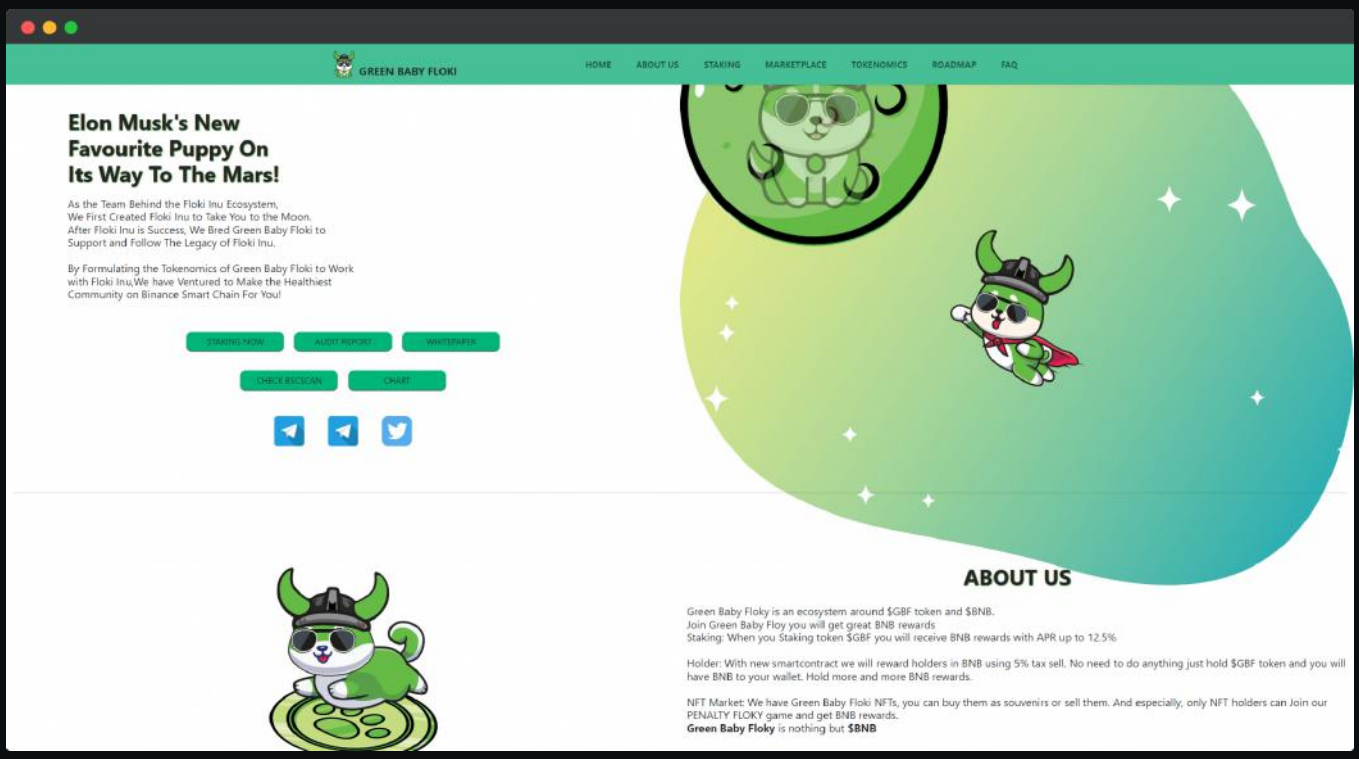
Contract Snapshot

```
constructor() ERC20("Green Baby Floki", "GBF")
{
    address newOwner = 0xe823B0957d8897135750fd08485eE7524A035eC7;
    transferOwnership(newOwner);
    operator=msg.sender;
    _mint(owner(), 1_000_000_000_000 * (10 ** 18));
    swapTokensAtAmount = totalSupply() / 5000;

    maxTransactionAmountBuy    = totalSupply() / 20;
    maxTransactionAmountSell   = totalSupply() / 20;
    maxWalletAmount            = totalSupply() / 10;
```

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.



- Mobile Friendly
- Does not contain jQuery errors
- SSL Secured
- No major spelling errors

Project Overview

KYC verified by Coinsult partner

Not KYC verified by Coinsult

Green Baby Floki

Completed KYC Verification at a Coinsult partner

✔ Project Owner Identified

✔ Contract: 0x5f12cEFbd4C1312c728E83b14bec08c96EFD5C0a

Green Baby Floki

Audited by Coinsult.net

Date: 11 August 2022

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