Coinsult

Advanced Manual Smart Contract Audit

Project: Flash Token
Website: https://www.flash-token.com/en/

● **Low-risk**	● **Medium-risk**	● **High-risk**
2 low-risk code issues found	0 medium-risk code issues found	0 high-risk code issues found

Contract address

0x0fB5c2d2cA5388EcA6a281fe0264Fc3eEE183546

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

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.

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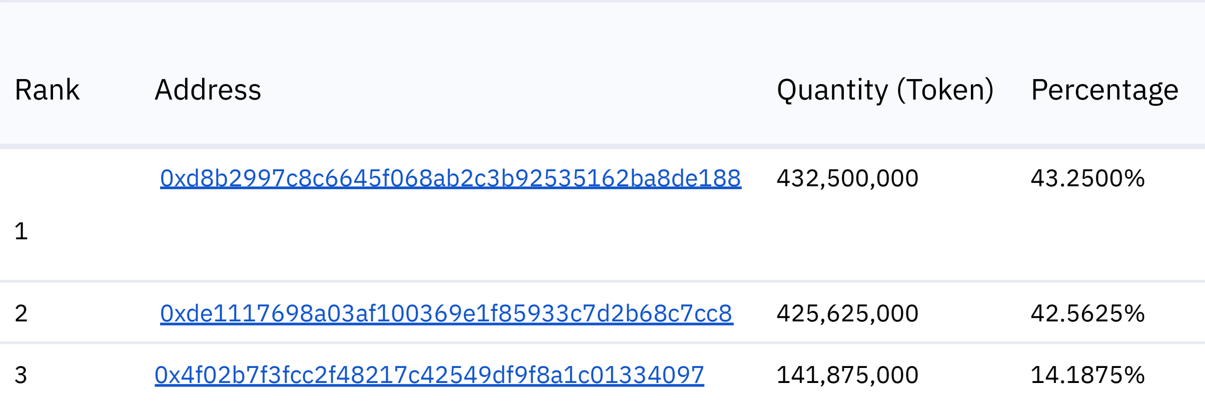
The information provided in this audit is for informational purposes only and should not be considered investment advice. Coinsult does not endorse, recommend, support or suggest to invest in any project.

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	0xd8b2997c8c6645f068ab2c3b92535162ba8de188	432,500,000	43.2500%
2	0xde1117698a03af100369e1f85933c7d2b68c7cc8	425,625,000	42.5625%
3	0x4f02b7f3fcc2f48217c42549df9f8a1c01334097	141,875,000	14.1875%

Source code

Coinsult was commissioned by Flash Token to perform an audit based on the following smart contract:

https://cronos.org/explorer/address/0x0fB5c2d2cA5388EcA6a281fe0264Fc3eEE183546/contracts

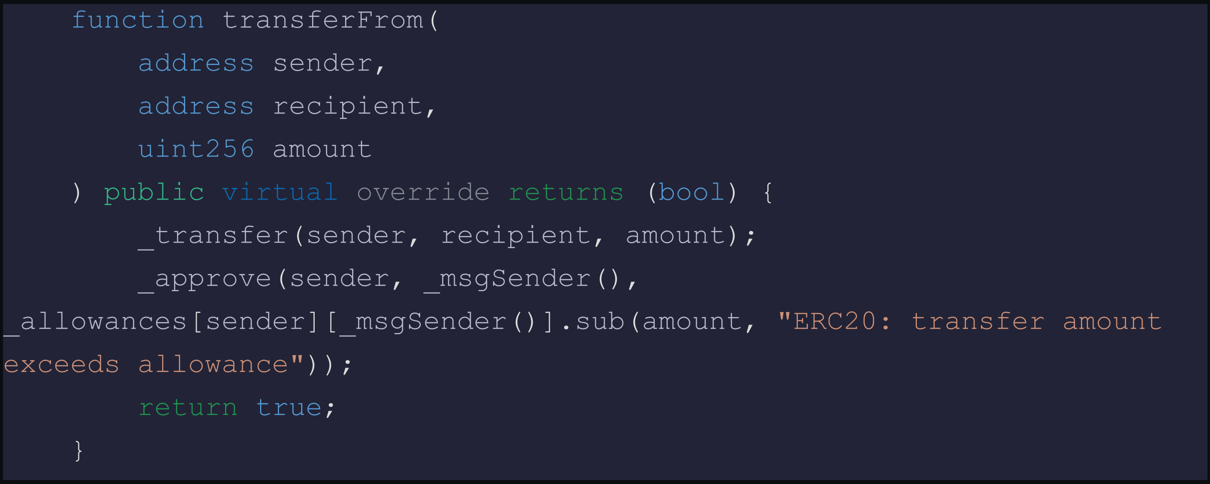
Manual Code Review

● Low-risk

2 low-risk code issues found.
Could be fixed, will not bring problems.

- Contract contains Reentrancy vulnerabilities:

  Additional information: This combination increases risk of malicious intent. While it may be justified by some complex mechanics (e.g. rebase, reflections, buyback).
  More information: Slither

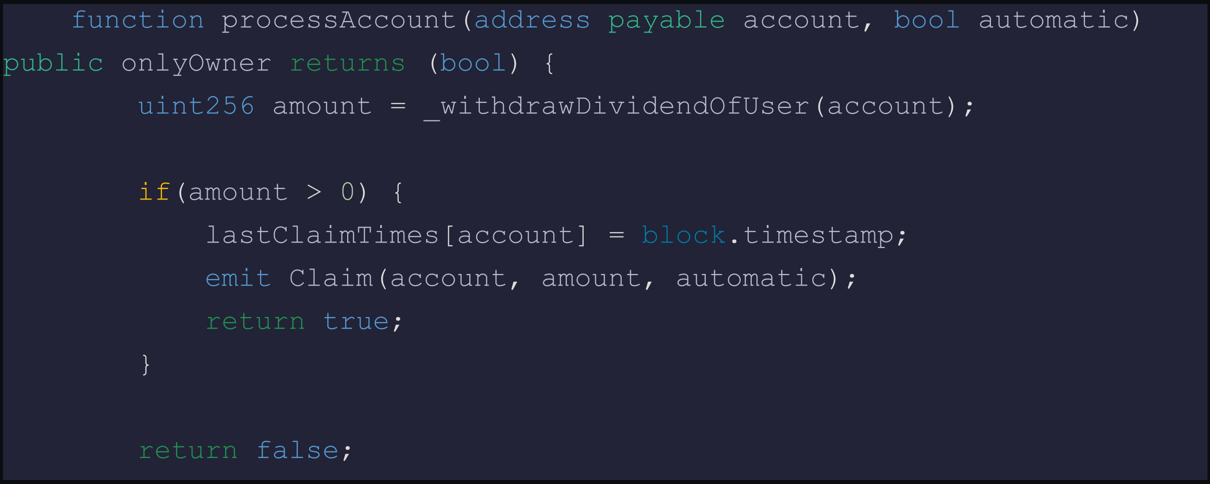


```
    function transferFrom(
        address sender,
        address recipient,
        uint256 amount
    ) public virtual override returns (bool) {
        _transfer(sender, recipient, amount);
        _approve(sender, _msgSender(),
_allowances[sender][_msgSender()].sub(amount, "ERC20: transfer amount
exceeds allowance"));
        return true;
    }
```

- Block.timestamp can be manipulated by miners.

  Avoid relying on block.timestamp.

  More information:
  https://github.com/crytic/slither/wiki/Detector-Documentation#block-timestamp



```
    function processAccount(address payable account, bool automatic)
public onlyOwner returns (bool) {
        uint256 amount = _withdrawDividendOfUser(account);

        if(amount > 0) {
            lastClaimTimes[account] = block.timestamp;
            emit Claim(account, amount, automatic);
            return true;
        }

        return false;
```

🟡 Medium-risk

0 medium-risk code issues found.

Should be fixed, could bring problems.

🔴 High-risk

0 high-risk code issues found

Must be fixed, and will bring problems.

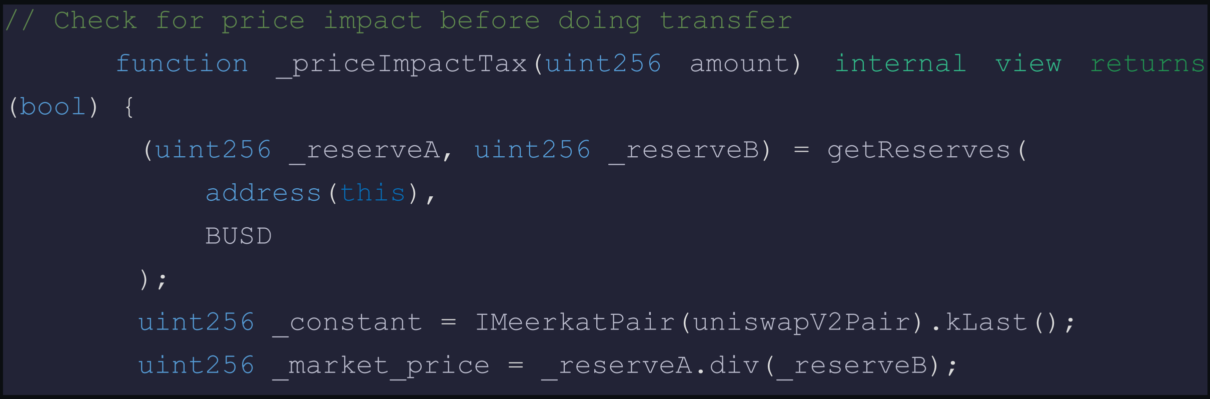
Extra notes by the team

🟡 Owner can exclude addresses from fees.

🟡 The ownership of the contract isn’t renounced.

🟡 Fees can be set up to 30%

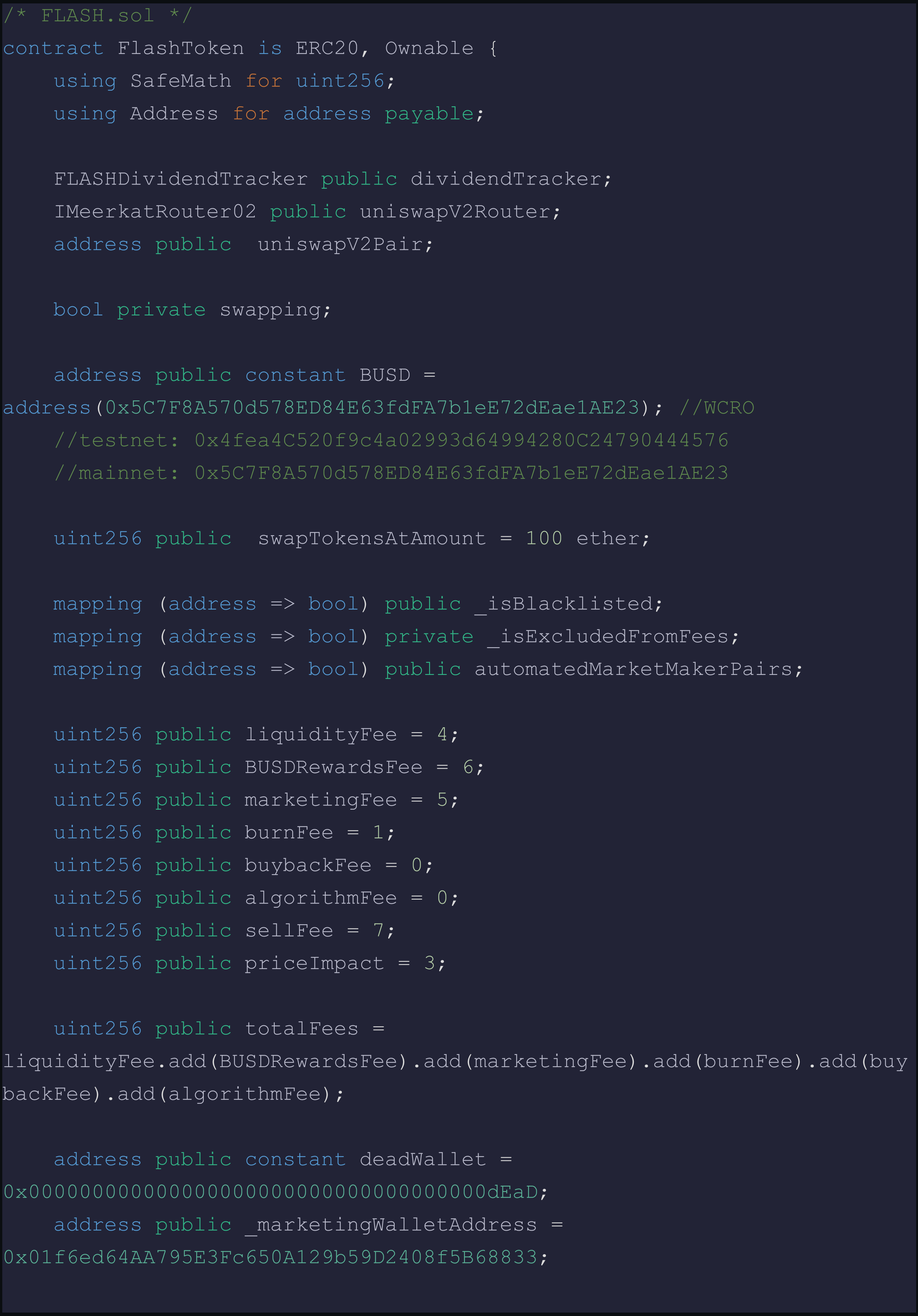
🟡 Contract checks for price impacts



```
// Check for price impact before doing transfer
      function _priceImpactTax(uint256 amount) internal view returns
(bool) {
        (uint256 _reserveA, uint256 _reserveB) = getReserves(
            address(this),
            BUSD
        );
        uint256 _constant = IMeerkatPair(uniswapV2Pair).kLast();
        uint256 _market_price = _reserveA.div(_reserveB);
```

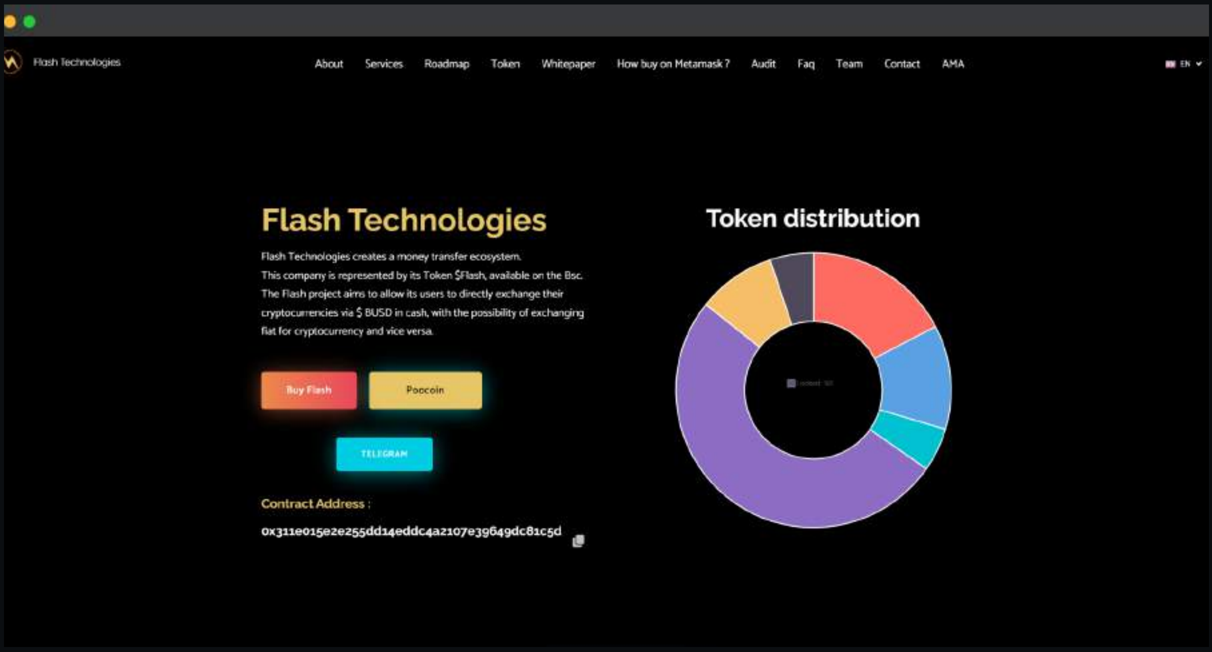
🔴 Owner can blacklist

Contract Snapshot



```
/* FLASH.sol */
contract FlashToken is ERC20, Ownable {
    using SafeMath for uint256;
    using Address for address payable;

    FLASHDividendTracker public dividendTracker;
    IMeerkatRouter02 public uniswapV2Router;
    address public  uniswapV2Pair;

    bool private swapping;

    address public constant BUSD =
address(0x5C7F8A570d578ED84E63fdFA7b1eE72dEae1AE23); //WCRO
    //testnet: 0x4fea4C520f9c4a02993d64994280C24790444576
    //mainnet: 0x5C7F8A570d578ED84E63fdFA7b1eE72dEae1AE23

    uint256 public  swapTokensAtAmount = 100 ether;

    mapping (address => bool) public _isBlacklisted;
    mapping (address => bool) private _isExcludedFromFees;
    mapping (address => bool) public automatedMarketMakerPairs;

    uint256 public liquidityFee = 4;
    uint256 public BUSDRewardsFee = 6;
    uint256 public marketingFee = 5;
    uint256 public burnFee = 1;
    uint256 public buybackFee = 0;
    uint256 public algorithmFee = 0;
    uint256 public sellFee = 7;
    uint256 public priceImpact = 3;

    uint256 public totalFees =
liquidityFee.add(BUSDRewardsFee).add(marketingFee).add(burnFee).add(buy
backFee).add(algorithmFee);

    address public constant deadWallet =
0x000000000000000000000000000000000000dEaD;
    address public _marketingWalletAddress =
0x01f6ed64AA795E3Fc650A129b59D2408f5B68833;
```

Website Review



Flash Technologies

Flash Technologies creates a money transfer ecosystem.
This company is represented by its Token $Flash, available on the Bsc.
The Flash project aims to allow its users to directly exchange their cryptocurrencies via $ BUSD in cash, with the possibility of exchanging fiat for cryptocurrency and vice versa.

Contract Address :
0x311e015e2e255dd14eddc4a2107e39649dc81c5d

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
- ● Contains no jQuery errors
- ● SSL Secured
- ● No major spelling errors

Loading speed: 87%

Rug-pull Review

Based on the available information analyzed by us, we come to the following conclusions:

🟢 Locked Liquidity (no liquidity yet)

🟢 Locked large unlocked wallets

- Note: Tokens not distributed yet

🟢 Doxxed Team (KYC)

Honeypot Review

Based on the available information analyzed by us, we come to the following conclusions:

🟢 Ability to sell

🟢 Owner is not able to pause the contract

🟢 Correct router (CRONOS)

Note: Please check the disclaimer above and note, the audit makes no statements or warranties on business model, investment attractiveness or code sustainability. The report is provided for the only contract mentioned in the report and does not include any other potential contracts deployed by the project owner.