



Coinsult

Advanced Manual Smart Contract Audit



Project: Siuuu Token

Website: <https://siu2022.com/>

Low-Risk

2 low-risk code
issues found

Medium-Risk

0 medium-risk code
issues found

High-Risk

0 high-risk code
issues found

Contract Address

0x16E33015C466c0183cd1c2adbC5B4E7bf97548Da

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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Tokenomics

Rank	Address	Quantity (Token)	Percentage
1	0xb2d6cbdb479f3e4ae9efcc8040167344b1c3aec2	625,000,000	100.0000%

Source Code

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

<https://bscscan.com/address/0x16E33015C466c0183cd1c2adbC5B4E7bf97548Da#code>

Manual Code Review

In this audit report we will highlight all these issues:

Low-Risk

2 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.

```
if (
    antiBotTime > block.timestamp &&&
    amount > antiBotAmount &&&
    sender != address(this) &&&
    recipient != address(this) &&&
    sender == uniswapV2Pair
) {
```

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.

```
uint256 public antiBotAmount = 700000 * 10**18;  
uint256 public minSwapAmount = 200000 * 10**18;
```

Recommendation

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

Exploit scenario

```
contract MyContract{  
    uint 1_ether = 1000000000000000000;  
}
```

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

Owner privileges

- Owner cannot set fees higher than 25%
- Owner cannot pause trading
- Owner cannot change max transaction amount

Extra notes by the team

No notes

Contract Snapshot

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

    uint256 public constant maxSupply = 625 * 10**6 * 10**18;

    IUniswapV2Router02 public uniswapV2Router;
    SiuRouter public siuRouter;
    address public uniswapV2Pair;
    address public treasury;
    uint256 public sellFeeRate = 6; // 6% fee to Treasury
    uint256 public buyFeeRate = 6; // 6% fee to Referral
    bool inSwap = false;

    address public usdt;
    address public idoAddress;

    uint256 public antiBotDuration = 10;
    uint256 public antiBotTime;
    uint256 public antiBotAmount = 700000 * 10**18;
    uint256 public minSwapAmount = 200000 * 10**18;

    constructor(
        string memory name,
        string memory symbol,
        address _usdt,
        address _siuRouter
    ) ERC20(name, symbol) {
        uniswapV2Router = IUniswapV2Router02(0x10ED43C718714eb63d5aA57B78B54704E256024E);
        usdt = _usdt;

        siuRouter = SiuRouter(_siuRouter);

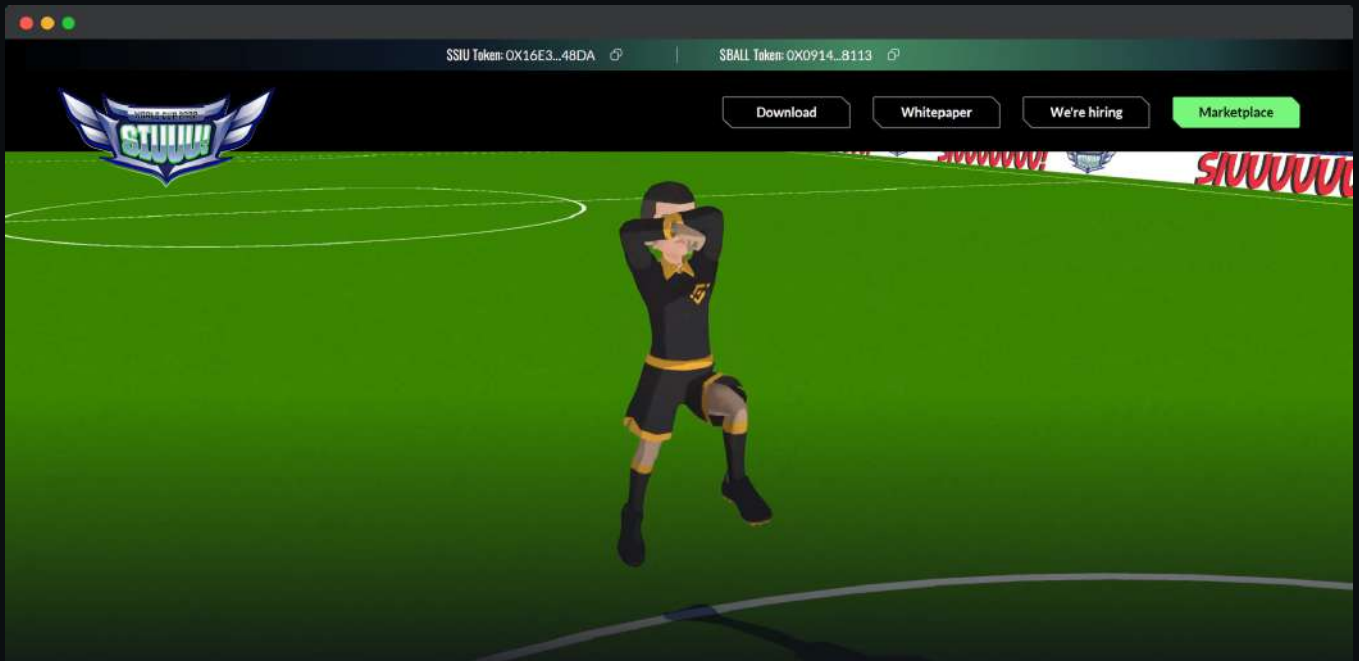
        uniswapV2Pair = IUniswapV2Factory(uniswapV2Router.factory()).createPair(address(this), usdt);

        _mint(_msgSender(), maxSupply);

        treasury = _msgSender();
    }
}
```

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

● Not KYC verified by Coinsult

Siuuu Token

Audited by Coinsult.net



Date: 21 July 2022

✓ Advanced Manual Smart Contract Audit