Coinsult

Advanced Manual Smart Contract Audit

Project: Siuuu Token

Website: https://siu2022.com/

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

0x16E33015C466c0183cd1c2adbC5B4E7bf97548Da

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	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

Contract uses SiuRouter which points to '0x090da105df89079cac0eb643911b375272550ebe', it is a TransparentUpgradeableProxy contract. Which is not audited by Coinsult.

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 &gt; block.timestamp &amp;&amp;
    amount &gt; antiBotAmount &amp;&amp;
    sender != address(this) &amp;&amp;
    recipient != address(this) &amp;&amp;
    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 = 10000000000000000000;
}
```

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

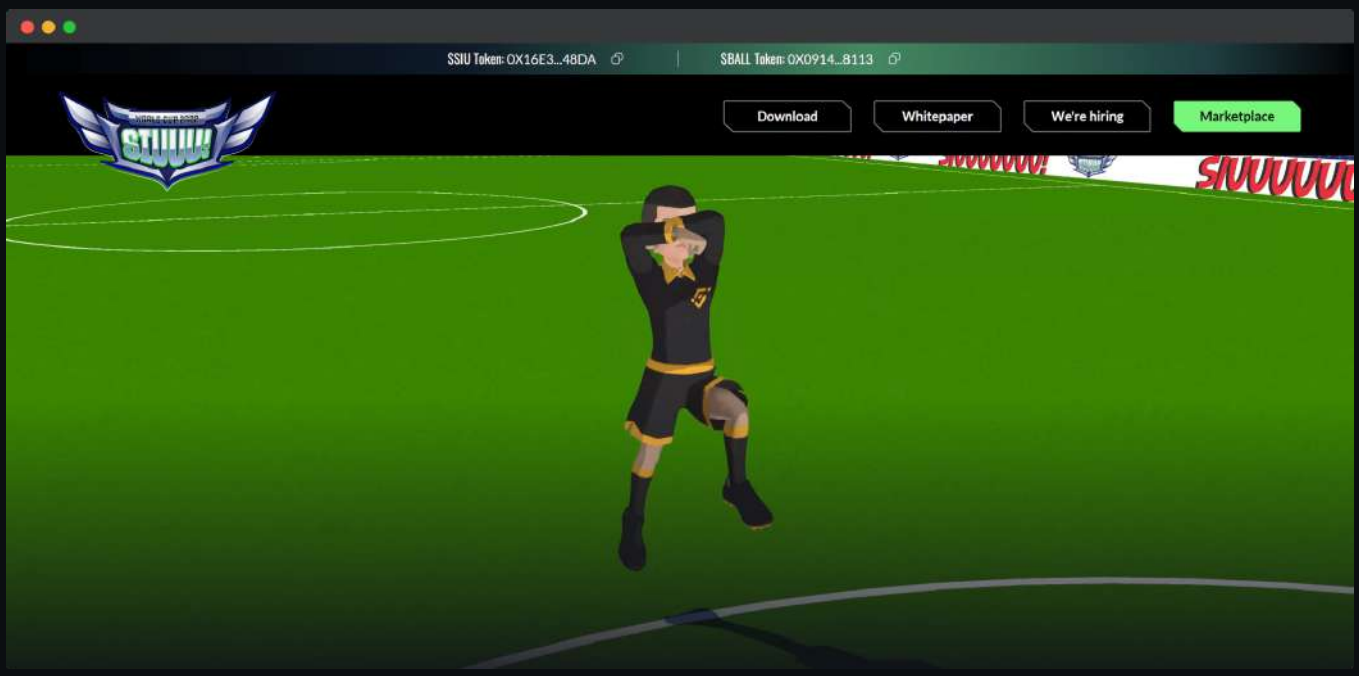
Contract uses SiuRouter which points to ‘0x090da105df89079cac0eb643911b375272550ebe’, it is a TransparentUpgradeableProxy contract. Which is not audited by Coinsult.

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

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