Coinsult

Advanced Manual Smart Contract Audit

Project: Valuable Smart

Website: https://vstoken.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

0x8Bf3ceA1EA0D0B4D7F2822450FD8775A526dEe32

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.

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	0x63930b4961606524e27f268525bf4c46eb3f7308	1,000,000,000	100.0000%

Source Code

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

https://bscscan.com/address/0x8Bf3ceA1EA0D0B4D7F2822450FD8775A526dEe32#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.

No zero address validation for some functions

Detect missing zero address validation.

```
function updateFee(uint256 _txFee,uint256 _burnFee,address _FeeAddress) onlyOwner public{
        require(_txFee + _burnFee &lt;= 25, &quot;fees cannot be higher than 25% in total.&quot;);
    txFee = _txFee;
    burnFee = _burnFee;
    FeeAddress = _FeeAddress;
}
```

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.

Boolean equality

Detects the comparison to boolean constants.

```
function transfer(address _to, uint256 _value) public returns (bool) {
  require(tokenBlacklist[msg.sender] == false);
  require(_to != address(0));
  require(_value  0 &amp;&amp; msg.sender != FeeAddress){
      uint256 DenverDeflaionaryDecay = tempValue.div(uint256(100 / txFee));
      balances[FeeAddress] = balances[FeeAddress].add(DenverDeflaionaryDecay);
      emit Transfer(msg.sender, FeeAddress, DenverDeflaionaryDecay);
      _value =  _value.sub(DenverDeflaionaryDecay);
  }

  if(burnFee &gt; 0 &amp;&amp; msg.sender != FeeAddress){
      uint256 Burnvalue = tempValue.div(uint256(100 / burnFee));
      totalSupply = totalSupply.sub(Burnvalue);
      emit Transfer(msg.sender, address(0), Burnvalue);
      _value =  _value.sub(Burnvalue);
  }

  // SafeMath.sub will throw if there is not enough balance.
```

Recommendation

Remove the equality to the boolean constant.

Exploit scenario

```
contract A {
    function f(bool x) public {
        // ...
        if (x == true) { // bad!
           // ...
        }
        // ...
    }
}
```

Boolean constants can be used directly and do not need to be compare to `true` or `false`.

Owner privileges

- 🟢 Owner cannot set fees higher than 25%
- 🟢 Owner cannot pause trading
- 🟢 Owner cannot change max transaction amount
- ⚠️ Owner can burn tokens

Extra notes by the team

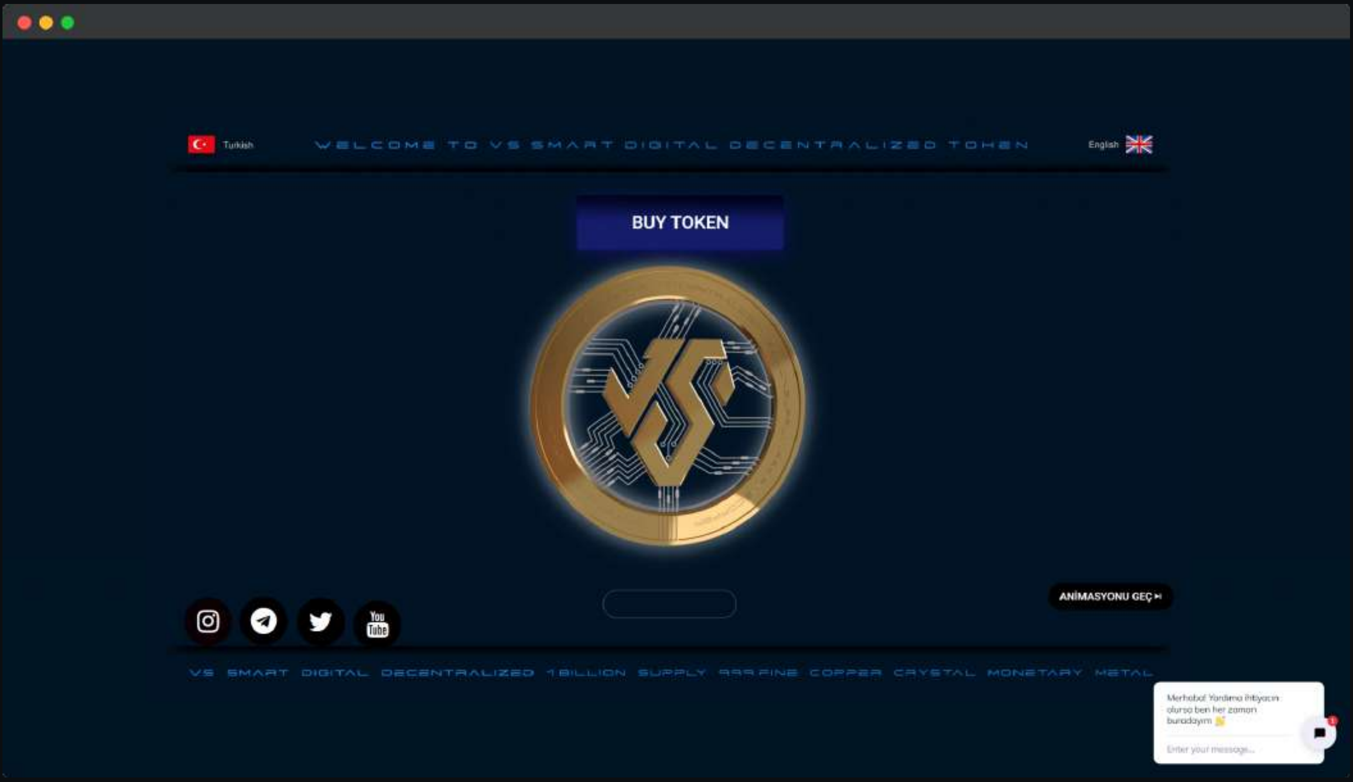
No notes

Contract Snapshot

```
contract CoinToken is PausableToken {
string public name;
string public symbol;
uint public decimals;
event Mint(address indexed from, address indexed to, uint256 value);
event Burn(address indexed burner, uint256 value);
```

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.


Turkish
WELCOME TO VS SMART DIGITAL DECENTRALIZED TOKEN
English
BUY TOKEN
ANİMASYONU GEÇ
VS SMART DIGITAL DECENTRALIZED 1BILLION SUPPLY 999 FINE COPPER CRYSTAL MONETARY METAL
Merhaba! Yardıma ihtiyacın olursa ben her zaman buradayım
Enter your message...

- 🟢 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

Valuable Smart

Completed KYC Verification at a Coinsult partner

✓ Project Owner Identified

✓ Contract: 0x8Bf3ceA1EA0D0B4D7F2822450FD8775A526dEe32

Valuable Smart

Audited by Coinsult.net

Date: 29 August 2022

✓ Advanced Manual Smart Contract Audit