BlockSAFU

ADVANCE MANUAL SMART CONTRACT AUDIT

Project: BitnouSafe

Website: https://bitnou.com/

PASSED

BlockSAFU Score:

97

Contract Address:

0x56f600852A0F3758f0bC38e047f988923E86771d

DISCLAMER

ABOUT THE AUDITOR:

BlockSAFU (BSAFU) is an Anti-Scam Token Utility that reviews Smart Contracts and Token information to Identify Rug Pull and Honey Pot scamming activity. BlockSAFUs Development Team consists of several Smart Contract creators, Auditors Developers, and Blockchain experts. BlockSAFU provides solutions, prevents, and hunts down scammers. BSAFU is a utility token with features Audit, KYC, Token Generators, and Bounty Scammers. It will enrich the crypto ecosystem.

OVERVIEW

Mint Function

- No mint functions.

Fees

- Buy 0% (No fees).
- Sell 0% (No fees).

Tx Amount

- Owner cannot set a max tx amount.

Transfer Pausable

- Owner cannot pause.

Blacklist

- Owner cannot blacklist.

Ownership

- Owner cannot take back ownership.

Proxy

- This contract has no proxy.

Anti Whale

- Owner cannot limit the number of wallet holdings.

Trading Cooldown

- Owner cannot set the selling time interval.

SMART CONTRACT REVIEW

Token Name	**BNOUSafe**
Contract Address	0x56f600852A0F3758f0bC38e047f988923E86771d
Deployer Address	0x6b2a856A8954aa86eA66f9729597f4078D03e7a9
Owner Address	0x0000000000000000000000000000000000000000
Gas Used for Buy	*will be updated after the DEX listing*
Gas Used for Sell	*will be updated after the DEX listing*
Contract Created	Sep-06-2022 03:35:43 AM +UTC
Initial Liquidity	*will be updated after the DEX listing*
Liquidity Status	Locked
Unlocked Date	*will be updated after the DEX listing*
Verified CA	Yes
Compiler	v0.8.15+commit.e14f2714
Optimization	Yes with 200 runs
Sol License	MIT License
Top 5 Holders	*will be updated after the DEX listing*
Other	default evmVersion

Team Review

The Bnou team has a nice website, their website is professionally built and the Smart contract is well developed, their social media is growing with over 18 people in their telegram group (count in audit date).

Official Website And Social Media

Website: https://bitnou.com/

Telegram Group: https://t.me/bitnouofficial_english

Discord: https://discord.com/invite/5Qb4bM7zYA

MANUAL CODE REVIEW

● Minor-risk

0 minor-risk code issue found

Could be fixed, and will not bring problems.

● 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.

● Critical-Risk

0 critical-risk code issues found

Must be fixed, and will bring problems.

EXTRA NOTES SMART CONTRACT

1. IBEP20

```solidity
interface IBEP20 {
    function totalSupply() external view returns (uint256);
    function balanceOf(address account) external view returns
(uint256);
    function transfer(address recipient, uint256 amount) external
returns (bool);
    function allowance(address owner, address spender) external
view returns (uint256);
    function approve(address spender, uint256 amount) external
returns (bool);
```

```
    function transferFrom(address sender, address recipient,
uint256 amount) external returns (bool);
    event Transfer(address indexed from, address indexed to,
uint256 value);
    event Approval(address indexed owner, address indexed spender,
uint256 value);
}
```
IBEP20 Normal Base Template

2. SafeMath Contract

```
library SafeMath {
...
    function add(uint256 a, uint256 b) internal pure returns
(uint256) {
        uint256 c = a + b;
        require(c >= a, "SafeMath: addition overflow");
        return c;
    }
...
    function sub(uint256 a, uint256 b, string memory errorMessage)
internal pure returns (uint256) {
        require(b <= a, errorMessage);
```

```solidity
        uint256 c = a - b;

        return c;
    }
    /**
     * @dev Returns the multiplication of two unsigned integers,
reverting on
     * overflow.
     *
     * Counterpart to Solidity's `*` operator.
     *
     * Requirements:
     *
     * - Multiplication cannot overflow.
     */
  ...
    function mod(
        uint256 a,
        uint256 b,
        string memory errorMessage
    ) internal pure returns (uint256) {
        unchecked {
            require(b > 0, errorMessage);
            return a % b;
        }
    }
}
```

Standard Safemath contract

3. BNOUSafe Contract

```solidity
contract BNOUSafe is Ownable {
    using SafeMath for uint256;

    // The Bitnou Coin!
    IBEP20 public bnou;
    mapping(address => bool) public isOperator;

    modifier onlyOperator() {
        require(isOperator[msg.sender], "Not operator");
        _;
    }
```

```solidity
    constructor(
        address _bnou,
        address _initializer
    ) {
        bnou = IBEP20(_bnou);
        _transferOwnership(_initializer);
    }

    function safeBNOUTransfer(address _to, uint256 _amount) public
onlyOperator {
        uint256 bnouBal = bnou.balanceOf(address(this));
        if (_amount > bnouBal) {
            bnou.transfer(_to, bnouBal);
        } else {
            bnou.transfer(_to, _amount);
        }
    }

    function setOperator(address _operator, bool _flag) external
onlyOwner {
        isOperator[_operator] = _flag;
    }
}
```

4. Set Operator

```solidity
function setOperator(address _operator, bool _flag) external
onlyOwner {
        isOperator[_operator] = _flag;
    }
```

Owner can set operator, but no function for read operator address - Warning

READ CONTRACT (ONLY NEED TO KNOW)

1. bnou
0x221e4c3bbabc3e33a8be082c1f96037a9761a9f2 address
(Function for read bnou address)

2. owner
0x0000000000000000000000000000000000000000 address
(Function for read owner address)

WRITE CONTRACT

1. renounceOwnership
(Renouncing ownership will leave the contract without an owner, thereby removing any functionality that is only available to the owner)

2. transferOwnership
newOwner (address)

(Its function is to change the owner)

3. safeBNOUTransfer
_to (address)
_amount (uint256)
(Its function for transfer bnou with amount filled, to address already filled - onlyOperator)
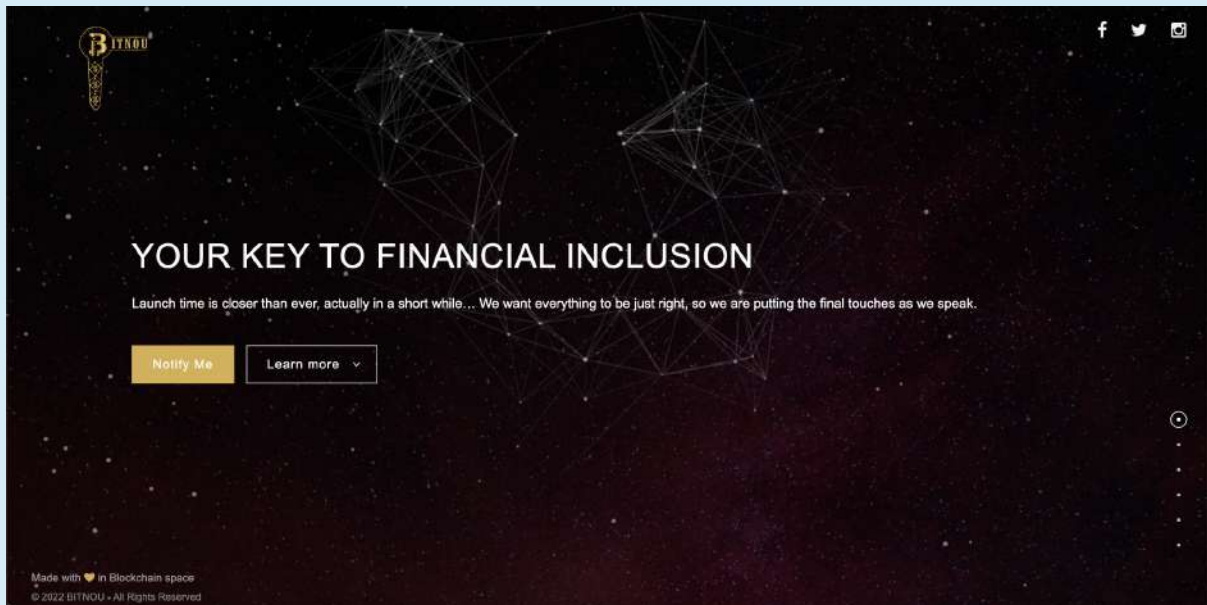
4. setOperator
_operator (address)
_flag (bool)
(its function for set operator - onlyOwner)

WEBSITE REVIEW

🟢 **Mobile Friendly**

🟢 **Contains no code error**

🟢 **SSL Secured (By Let's Encrypt SSL)**

Web-Tech stack: Apache, Bootstrap, Animate css

Domain .com (Hostgator) - Tracked by whois

First Contentful Paint:	1.6s
Fully Loaded Time	5.6s
Performance	46%
Accessibility	79%
Best Practices	58%
SEO	80%

RUG-PULL REVIEW

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

- Locked Liquidity (Locked by pinksale)

    (*Will be updated after DEX listing*)

- TOP 5 Holder.

    (*Will be updated after DEX listing*)

- The Team KYC by Blocksafu

HONEYPOT REVIEW

- Ability to sell.

- The owner is not able to pause the contract.

- The owner can't set fees

Note: Please check the disclaimer above and note, that the audit makes no statements or warranties on the 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.