



BlockSAFU

ADVANCE MANUAL SMART CONTRACT AUDIT



Project: Salah ad-Din

Website: salah.finance



BlockSAFU Score: 85

Contract Address:

0x9F07C9112E482eb5e21d3c279d82203893e45CBa

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

DISCLAIMER

BlockSAFU has completed this report to provide a summary of the Smart Contract functions, and any security, dependency, or cybersecurity vulnerabilities. This is often a constrained report on our discoveries based on our investigation and understanding of the current programming versions as of this report's date. To understand the full scope of our analysis, it is vital for you to at the date of this report. To understand the full scope of our analysis, you need to review the complete report. Although we have done our best in conducting our investigation and creating this report, it is vital to note that you should not depend on this report and cannot make any claim against BlockSAFU or its Subsidiaries and Team members on the premise of what has or has not been included in the report. Please remember to conduct your independent examinations before making any investment choices. We do not provide investment advice or in any way claim to determine if the project will be successful or not.

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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. BlockSAFU's 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

BlockSAFU was commissioned by SALAH ad-Din to complete a Smart Contract audit. The objective of the Audit is to achieve the following:

- Review the Project and experience and Development team
- Ensure that the Smart Contract functions are necessary and operate as intended.
- Identify any vulnerabilities in the Smart Contract code.

DISCLAIMER: This Audit is intended to inform about token Contract Risks, the result does not imply an endorsement or provide financial advice in any way, all investments are made at your own risk. (<https://blocksafu.com/>)

SMART CONTRACT REVIEW

Token Name	SALAH ad-Din
Token Symbol	SALAH
Token Decimal	18
Total Supply	1,000,000,000,000 SALAH
Contract Address	0x9F07C9112E482eb5e21d3c279d82203893e45CBa
Deployer Address	0x064de294765C3fB0f440C1B6C0E08e519CeE6511
Owner Address	0x30de33f6f557acd66e7919b9379044e2de4294b6
Tax Fees Buy	2.5%
Tax Fees Sell	2.5%
Gas Used for Buy	<i>will be updated after the DEX listing</i>
Gas Used for Sell	<i>will be updated after the DEX listing</i>
Contract Created	Jun-26-2022 03:13:21 PM +UTC
Initial Liquidity	<i>will be updated after the DEX listing</i>
Liquidity Status	Locked
Unlocked Date	<i>will be updated after the DEX listing</i>
Verified CA	Yes
Compiler	v0.8.9+commit.e5eed63a
Optimization	Enable with 300 runs
Sol License	MIT License
Top 5 Holders	<i>will be updated after the DEX listing</i>
Other	default evmVersion

TAX

BUY	2.5%	SELL	2.5%
Marketing Fee	0.5%	Marketing Fee	0.5%
Liquidity Fee	0.5%	Liquidity Fee	0.5%
Dev fee	1%	Dev Fee	1%
Reflection Fee	0.5%	Reflection Fee	0.5%

TOP HOLDER

Rank	Address	Quantity	Percentage	Analytics
1	0x30de33f6f557acd66e7919b9379044e2de4294b6	525,000,000,000	52.5000%	Analytics
2	0x407993575c91ce7643a4d4ccacc9a98c36ee1bbe	385,000,000,000	38.5000%	Analytics
3	0x1a039eb50948d95fe824ae7932cd79ca78d5f332	80,000,000,000	8.0000%	Analytics
4	0x3c59e279c302c8eddb5189673055164348858a0a	10,000,000,000	1.0000%	Analytics

[Download CSV Export ↗]

Team Review

The SALAH team has a nice website, their website is professionally built and the Smart contract is well developed, their social media is growing with over 416 people in their telegram group (count in audit date).

OFFICIAL WEBSITE AND SOCIAL MEDIA

Website: <https://salah.finance/>

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



Twitter: <https://twitter.com/SalahFinance>

BLOCKSAFU SCANNER

Honeypot Safety

Indicator	Value
Can Take Back Ownership	Not detected
Owner Change Balance	Not detected
Blacklist	Detected
Modify Fees	Detected
Proxy	Not detected
Whitelisted	Not detected
Anti Whale	Not detected
Trading Cooldown	Not detected
Transfer Pausable	Not detected
Cannot Sell All	Not detected

Rug Pull Safety

Indicator	Value
Hidden Owner	Not detected
Creator Address	0x064de294...511 
Creator Balance	0 SALAH
Creator Percent	0%
Owner Address	0x30de33f6...4b6 
Owner Balance	525,000,000,000 SALAH
Owner Percent	0.525%
Lp Holder Count	
Lp Total Supply	NaN
Mint	Not detected

MANUAL CODE REVIEW

● Minor-risk

0 minor-risk code issues found

● 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 problem.

● Critical-Risk

0 critical-risk code issues found

Must be fixed, and will bring problem.

EXTRA NOTES SMART CONTRACT

1. IERC20

```
interface IERC20 {
    /**
     * @dev Returns the number of tokens in existence.
     */
    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);

    /**
     * @dev Emitted when `value` tokens are moved from one account (`from`) to
     * another (`to`).
     *
     * Note that `value` may be zero.
     */
    event Transfer(address indexed from, address indexed to, uint256 value);
    ...
}
```

IERC20 Normal Base Template

2. SafeMath Standard

```
library SafeMath {
  function tryAdd(uint256 a, uint256 b)
    internal
    pure
    returns (bool, uint256)
  {
    unchecked {
      uint256 c = a + b;
      if (c < a) return (false, 0);
      return (true, c);
    }
  }

  function trySub(uint256 a, uint256 b)
    internal
    pure
    returns (bool, uint256)
  {
    unchecked {
      if (b > a) return (false, 0);
      return (true, a - b);
    }
  }

  function tryMul(uint256 a, uint256 b)
    internal
    pure
    returns (bool, uint256)
  {
    unchecked {
      // Gas optimization: this is cheaper than requiring 'a' not being zero, but the
      // benefit is lost if 'b' is also tested.
      // See: https://github.com/OpenZeppelin/openzeppelin-contracts/pull/522
      if (a == 0) return (true, 0);
      uint256 c = a * b;
      if (c / a != b) return (false, 0);
      return (true, c);
    }
  }
  ...
}
```

SafeMath Standard Template

3. Contract SALAH

```
contract SalahToken is ERC20, Ownable {
    ...
    uint256 public constant denominator = 10000;
    uint256 public constant swapThreshold = 0.0000005 ether;
    ...
    constructor(address _router) ERC20("Salah ad-Din", "SALAH")
payable
    {
        ...
        exclude(0x30de33F6F557acd66e7919B9379044e2De4294b6);
        exclude(address(this));
        exclude(msg.sender);
        ...
        _setOwner(0x30de33F6F557acd66e7919B9379044e2De4294b6);
        // Buy Taxes
        buyTaxes["dev"] = 100;
        buyTaxes["marketing"] = 50;
        buyTaxes["liquidity"] = 50;
        buyTaxes["charity"] = 50;
        // Sell Taxes
        sellTaxes["dev"] = 100;
        sellTaxes["marketing"] = 50;
        sellTaxes["liquidity"] = 50;
        sellTaxes["charity"] = 50;
        // External wallets
        taxWallets["dev"] =
0x30de33F6F557acd66e7919B9379044e2De4294b6;
        taxWallets["charity"] =
0x9eA8eA380eaEF925406231f37c8E6AEC729B5f06;
        taxWallets["marketing"] =
0x1A51380dfE215971D375F67666504d4F4669c16B;
    }
    ...
    /**
     * @dev Sets tax for buys.
     */
    function setBuyTax(uint256 _dev, uint256 _marketing, uint256
_liquidity, uint256 _charity) external onlyOwner {
        require(_dev <= 500, "SALAH: Maximum 5%");
        require(_marketing <= 500, "SALAH: Maximum 5%");
        require(_liquidity <= 500, "SALAH: Maximum 5%");
        require(_charity <= 500, "SALAH: Maximum 5%");

        buyTaxes["dev"] = _dev;
        buyTaxes["marketing"] = _marketing;
```

```

        buyTaxes["liquidity"] = _liquidity;
        buyTaxes["charity"] = _charity;
    }

    /**
     * @dev Sets tax for sells.
     */
    function setSellTax(uint256 _dev, uint256 _marketing, uint256
    _liquidity, uint256 _charity) external onlyOwner {
        require(_dev <= 500,"SALAH: Maximum 5%");
        require(_marketing <= 500,"SALAH: Maximum 5%");
        require(_liquidity <= 500,"SALAH: Maximum 5%");
        require(_charity <= 500,"SALAH: Maximum 5%");

        buyTaxes["dev"] = _dev;
        buyTaxes["marketing"] = _marketing;
        buyTaxes["liquidity"] = _liquidity;
        buyTaxes["charity"] = _charity;
    }
    receive() external payable {}
}

```

SALAH Contract

```

function setBuyTax(uint256 _dev, uint256 _marketing, uint256
_liquidity, uint256 _charity) external onlyOwner {
    require(_dev <= 500,"SALAH: Maximum 5%");
    require(_marketing <= 500,"SALAH: Maximum 5%");
    require(_liquidity <= 500,"SALAH: Maximum 5%");
    require(_charity <= 500,"SALAH: Maximum 5%");
    buyTaxes["dev"] = _dev;
    buyTaxes["marketing"] = _marketing;
    buyTaxes["liquidity"] = _liquidity;
    buyTaxes["charity"] = _charity;
}

```

Owners cannot assign a BUY Tax of more than 5% for each development, marketing, liquidity, and charity tax.

```

function setSellTax(uint256 _dev, uint256 _marketing, uint256
_liquidity, uint256 _charity) external onlyOwner {
    require(_dev <= 500,"SALAH: Maximum 5%");
    require(_marketing <= 500,"SALAH: Maximum 5%");
    require(_liquidity <= 500,"SALAH: Maximum 5%");
    require(_charity <= 500,"SALAH: Maximum 5%");
    buyTaxes["dev"] = _dev;
    buyTaxes["marketing"] = _marketing;
    buyTaxes["liquidity"] = _liquidity;
    buyTaxes["charity"] = _charity;
}

```

Owners cannot assign a SELL Tax of more than 5% for each development, marketing, liquidity, and charity tax.

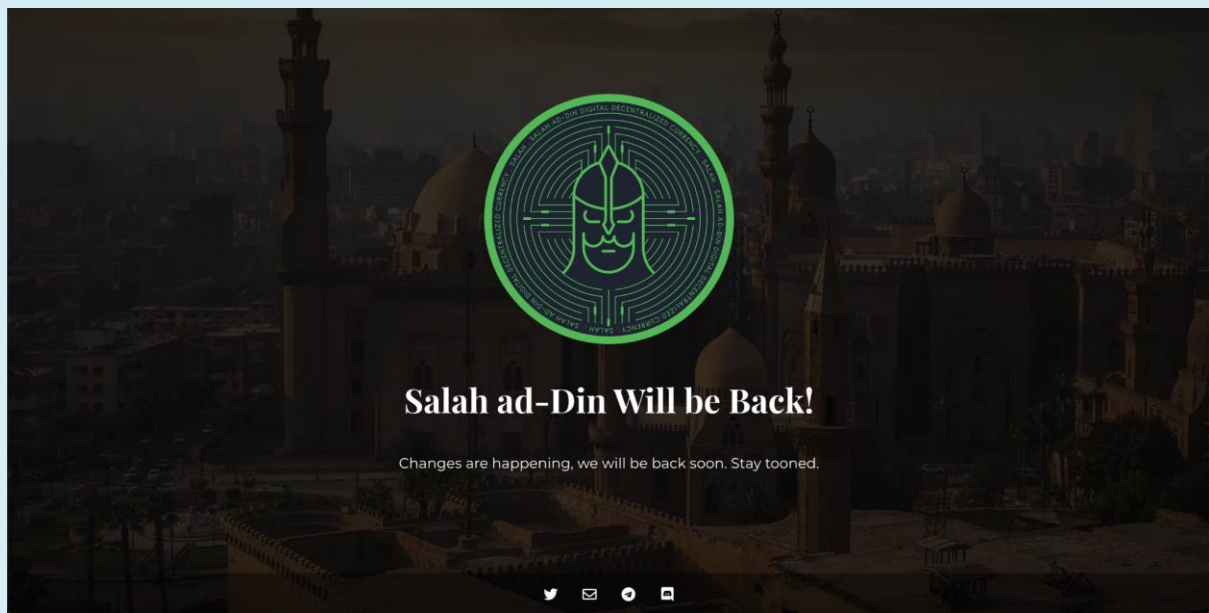
```

function enableBlacklist(address account) external onlyOwner {
    require(isContract(account), "SALAH: Cannot blacklist
users");
    require(!blacklist[account], "SALAH: Account is already
blacklisted");
    blacklist[account] = true;
}
/**
 * @dev Remove the specified account from the blacklist.
 */
function disableBlacklist(address account) external onlyOwner {
    require(blacklist[account], "SALAH: Account is not
blacklisted");
    blacklist[account] = false;
}

```

The owner can set enable and disable the blacklist for the contract, and cannot blacklist the address.

WEBSITE REVIEW



- **Mobile Friendly**
- **Contains no code error**
- **SSL Secured (By Cloudflare)**

Web-Tech stack: WordPress, Cloudflare, PHP, animate CSS

Domain .com - Tracked by whois

First Contentful Paint:	1.5s
Fully Loaded Time	3.4s
Performance	90
Accessibility	97
Best Practices	100
SEO	91

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 is Not KYC.**

(Will be updated after KYC)

HONEYPOT REVIEW

- Ability to sell.
- The owner is not able to pause the contract.
- The owners cannot set tax more than 5% per point (20% total).

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.