



BlockSAFU

ADVANCE MANUAL SMART CONTRACT AUDIT



Project: Salah ad-Din

Website: salah.finance



BlockSAFU Score: 90

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	0%
Tax Fees Sell	0%
Gas Used for Buy	151,619 Gwei (0.000755 BNB / \$0.16)
Gas Used for Sell	111,484 Gwei (0.000555 BNB / \$0.12)
Contract Created	Jun-26-2022 03:13:21 PM +UTC
Initial Liquidity	28.19 BNB
Liquidity Status	Locked
Unlocked Date	December 31, 2022 at 9:59:28 PM GMT+7
Verified CA	Yes
Compiler	v0.8.9+commit.e5eed63a
Optimization	Enable with 300 runs
Sol License	MIT License
Top Holders	20.65% (06/07/2022)
Other	default evmVersion

TAX

BUY	0 %	SELL	0%
Marketing Fee	0%	Marketing Fee	0%
Liquidity Fee	0%	Liquidity Fee	0%
Dev fee	0%	Dev Fee	0%
Reflection Fee	0%	Reflection Fee	0%

TOP HOLDER

Transfers Holders Info DEX Trades Contract Analytics Comments				
Token Holders Chart				
A total of 158 token holders				
First < Page 1 of 4 > Last				
Rank	Address	Quantity	Percentage	Analytics
1	0x407993575c91ce7643a4d4ccacc9a98c36ee1bbe	385,000,000,000	38.5000%	Analytics
2	PancakeSwap V2: SALAH 3	209,640,889,727.273509749392021524	20.9641%	Analytics
3	0x1a039eb50948d95fe824ae7932cd79ca78d5f332	68,585,100,000	6.8585%	Analytics
4	0x0573f05a0fc193c5c6cca75e9324775cf90efb6e	36,001,515,621.434402731693092246	3.6002%	Analytics
5	0x4800a52c0b19d25e9b1e6db4bfee8929e6eb79b6	29,486,801,812.247867354103307836	2.9487%	Analytics
6	0x30de33f6f557acd66e7919b9379044e2de4294b6	24,999,999,444	2.5000%	Analytics
7	0x5ea69dc2da5da1e071d7dc0bb21ce6d7a4af63f0	20,275,907,388.98160961302597178	2.0276%	Analytics
8	0xb96039c0ed68e8adb23e1751365c14bfa0e3db17	16,131,694,844.625714944313447232	1.6132%	Analytics
9	0x2978d774dd947747097961cb836765e302f443b9	11,069,246,793.908735373641272989	1.1069%	Analytics
10	0xcd42df809e0884b7701a2e8bbceb6303d4fb24c0	11,016,839,980.423070630415979292	1.1017%	Analytics
11	0x52df1794e1affb49d2cb9fdb92461b364bd606b7	10,940,468,416.207186596592281609	1.0940%	Analytics
12	0x55ffc1274936e47a01ba6feeb27ac7a07463aeca	10,582,733,329.451718751990421708	1.0583%	Analytics
13	0x3c59e279c302c8eddb5189673055164348858a0a	9,800,000,000	0.9800%	Analytics

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

Token Information

Indicator	Value
Token Name	Salah ad-Din
Token Symbol	SALAH
Total Supply	1,000,000,000,000
Already Listed On Dex	Already Listed
Dex Listed	PancakeV2
Open Source	Open Source
Price	\$0.000000006
Volume 24H	\$56636.57
Liquidity	\$12,193 (51.70 BNB)
Tx Count 24H	482
Marketcap	\$63,498



Security Information

Indicator	Value
Honeypot	Not Detected
Buy Fees	0%
Sell Fees	0%
Buy Gas	151,619 Gwei (0.000755 BNB / \$0.16)
Sell Gas	111,484 Gwei (0.000555 BNB / \$0.12)
Holder Count	155 Holders

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

Top Holder Held

Top Holder Held
20.650%

Address	Balance	Percent	Tag
 0x1a03...332 	68,585,100,000	6.859%	-
 0x0573...b6e 	36,001,515,621.434	3.600%	-
 0x4800...9b6 	29,486,801,812.248	2.949%	-
 0x30de...4b6 	24,999,999,444	2.500%	-
 0x5ea6...3f0 	20,275,907,388.982	2.028%	-
 0xb960...b17 	16,131,694,844.626	1.613%	-
 0xcd42...4c0 	11,016,839,980.423	1.102%	-








Liquidity Information

Note:

 This is Contract Address

 This is Wallet Address

 Lp Locked

Address	Balance	Percent	Tag
  0x4079...bbe 	2,556,836 Lp	78.9100%	PinkLock0.
 0x0573...b6e 	674,310 Lp	20.8108%	-
 0x0ed9...706 	9,046 Lp	0.2792%	-

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.

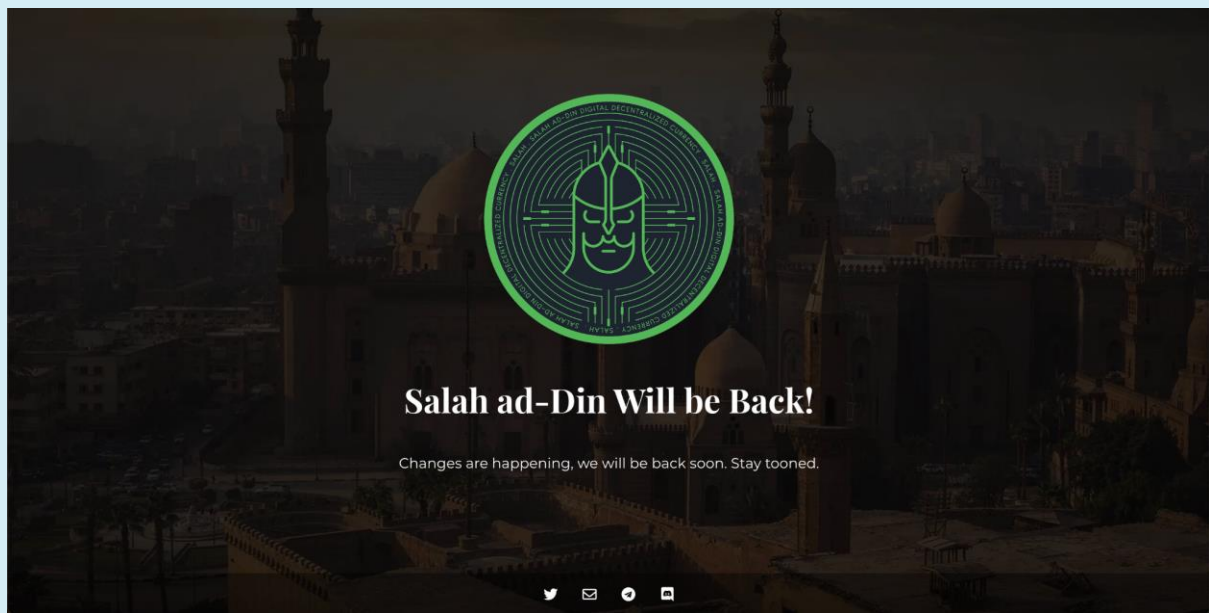
```

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 (78.91% Locked by pinksale)
(Unlock at December 31, 2022 at 2:59:28 PM)
- TOP Holder.
(Holds 20% of the total supply.)
- The team is KYC by SpyWolf.

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.