SKELETON ECOSYSTEM SMART CONTRACT AUDIT





0x714eee03e9c7ca0eed4d01790a26354e559263e2







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Global Disclaimer

This document serves as a disclaimer for the crypto smart contract audit conducted by Skeleton Ecosystem. The purpose of the audit was to review the codebase of the smart contracts for potential vulnerabilities and issues. It is important to note the following:

Limited Scope: The audit is based on the code and information available up to the audit completion date. It does not cover external factors, system interactions, or changes made after the audit. The audit itself can not guarantee 100% safaty and can not detect common scam methods like farming and developer sell-out.

No Guarantee of Security: While we have taken reasonable steps to identify vulnerabilities, it is impossible to guarantee the complete absence of security risks or issues. The audit report provides an assessment of the contract's security as of the audit date.

Continued Development: Smart contracts and blockchain technology are evolving fields. Updates, forks, or changes to the contract postaudit may introduce new risks that were not present during the audit.

Third-party Code: If the smart contract relies on third-party libraries or code, those components were not thoroughly audited unless explicitly stated. Security of these dependencies is the <u>responsibility of their respective developers</u>.

Non-Exhaustive Testing: The audit involved automated analysis, manual review, and testing under controlled conditions. It is possible that certain vulnerabilities or issues may not have been identified.

Risk Evaluation: The audit report includes a risk assessment for identified vulnerabilities. It is recommended that the development team carefully reviews and addresses these risks to mitigate potential exploits.

Not Financial Advice: This audit report is not intended as financial or investment advice. Decisions regarding the use, deployment, or investment in the smart contract should be made based on a comprehensive assessment of the associated risks.

By accessing and using this audit report, you acknowledge and agree to the limitations outlined above. Skeleton Ecosystem and its auditors shall not be held liable for any direct or indirect damages resulting from the use of the audit report or the smart contract itself.

Please consult with legal, technical, and financial professionals before making any decisions related to the smart contract.



Overview

| Contract Name | Smurf Coin |
|-----------------------|--------------------------------------------------------------------------|
| Ticker/Simbol | SCOIN |
| Blockchain | Binance Smart Chain BEP20 |
| Contract Address | 0x714eee03e9c7ca0eed4d01790a26354e559263e2 |
| Creator Address | 0x8cd964B395ADb091a573ABdF14329f8bde240E68 |
| Current Owner Address | Renounced |
| Contract Explorer | https://bscscan.com/token/0x714eee03e9c7ca0eed4d0 1790a26354e559263e2 |
| Compiler Version | v0.8.18+commit.87f61d96 |
| License | MIT |
| Optimisation | No with 200 Runs |
| Total Supply | 870,202,749,934,997.960191 SCOIN |
| Decimals | 9 |

Creation/Audit

| Contract Deployed | 20 Sept 2023 |
|-------------------|--------------|
| Audit Created | 20 Sept 2023 |
| Audit Update | V 1.0 |

Verified Socials

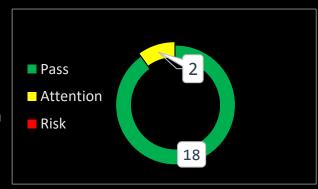
| Website | https://smurfcoin.org/ |
|-------------|-------------------------------------|
| Telegram | https://t.me/SmurfCoinCommunity |
| Twitter (X) | https://twitter.com/SmurfCoinGlobal |

SMURF COIN BEP20

Contract Function Analysis

Pass Attention Item A Risky Item





| Contract Verified | ✓ | The contract source code is uploaded to blockchain explorer and is open source, so everybody can read it. |
|---------------------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Contract Ownership | ✓ | Renounced |
| Buy Tax | 8 % | Shows the taxes for purchase transactions. Above 10% may be considered a high tax rate. More than 50% tax rate means may not be tradable. |
| Sell Tax | 8 % | Shows the taxes for sell transactions. Above 10% may be considered a high tax rate. More than 50% tax rate means may not be tradable. |
| Honeypot Analyse | ✓ | Holder is able to buy and sell. If honeypot: The contract blocks sell transfer from holder wallet. Multiple events may cause honeypot. Trading disabled, extremely high tax |
| Liqudity Status | ✓ | LP Lock found: 96% Locked on Mudra Locker for 367 Days on 20.09.2023 3,8% LP Burn found on 20.09.2013 |
| Trading Disable Functions | ~ | No Trading suspendable function found. If a suspendable code is included, the token maybe neither be bought or sold (honeypot risk). If contract is renounced this function can't be used |
| Set Fees function | > | No Fee Setting function found. The contract owner may contain the authority to modify the transaction tax. If the transaction tax is increased to more than 49%, the tokens may not be able to be traded (honeypot risk). |
| Proxy Contract | > | Not a Proxy Contract. The proxy contract means contract owner can modifiy the function of the token and possibly effect the price. The Owner is not the creator but the creator may have authorisation to change functions. |
| Mint Function | ✓ A | Mint function found but contract is Renounced, the function can not be used. Mint function is transparent or non-existent. Hidden mint functions may increase the amount of tokens in circulation and effect the price of the token. Owner can mint new tokens and sell. |

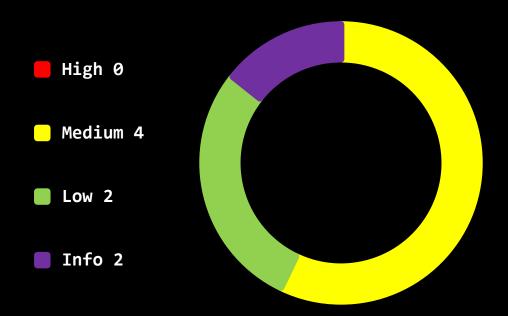


| | | No Polonce Medifier function found |
|---------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Balance Modifier Function | ~ | No Balance Modifier function found. If there is a function for this, the contract owner can have the authority to modify the balance of tokens at other addresses. For example revoke the bought tokens from the holders wallet. Common form of scam: You buy the token, but it's disappearing from your wallet. |
| Blacklist Function | A | Blacklist function found but contract renounced. This function can not be used. If there is a blacklist, some addresses may not be able to trade normally. Example: you buy the token and right after your Wallet getting blacklisted. Like so you will be unable to sell. Honeypot Risk. |
| Whitelist Function | ✓ ∧ | Whitelist function found but contract renounced. This function can not be used. If there is a function for this Developer can set zero fee or no max wallet size for adresses (for example team wallets can trade without fee. Can cause farming) |
| Hidden Owner Analysis | > | No authorised hidden owner found. For contract with a hidden owner, developer can still manipulate the contract even if the ownership has been abandoned. Fake renounce. |
| Retrieve Ownership Function | > | No functions found which can retrieve ownership of the contract. If this function exists, it is possible for the project owner to regain ownership even after relinquishing it. Also known as fake renounce. |
| Self Destruct Function | > | No Self Destruct function found. If this function exists and is triggered, the contract will be destroyed, all functions will be unavailable, and all related assets will be erased. |
| Specific Tax Changing Function | > | No Specific Tax Changing Functions found. If it exists, the contract owner may set a very outrageous tax rate for assigned address to block it from trading. Can assign all wallets at once! |
| Trading Cooldown Function | > | No Trading Cooldown Function found. If there is a trading cooldown function, the user will not be able to sell the token within a certain time or block after buying. Like a temporary honeypot. |
| Max Transaction and Holding Modify Function | ✓ | No Max Transaction and Holding Modify function found. If there is a function for this, the maximum trading amount or maximum position can be modified. Can cause honeypot |
| Transaction Limiting Function | ✓ | No Transaction Limiter Function Found. The number of overall token transactions may be limited (honeypot risk) |



Contract Security

Total Findings: 8



- **High Severity Issues:** High possibility to cause problems, need to be resolved.
- Medium Severity Issue: Will likely cause problems, recommended to resolve.
- **Low Severity Issues:** Won't cause problems, but for improvement purposes could be adjusted.
- Informational Severity Issues: Not harmful in any way,
 information for the developer team.



Contract Security List of Found Issues

- High severity Issues: (0)
- Medium severity issues: (4)
 - Reentrancy
 - Unchecked Transfer
 - Unchecked Array Lenght
 - Usage of EXTCodesize to check for externally owned accounts
- Low severity issues: (2)
 - Missing Events
 - Use of Floating Pragma
- Informational severity issues: (2)
 - Hard Coded Address
 - Public Functions Should be Declared External



Contract Weakness Classisication

THE SMART CONTRACT WEAKNESS CLASSIFICATION REGISTRY (SWC REGISTRY) IS AN IMPLEMENTATION OF THE WEAKNESS CLASSIFICATION SCHEME PROPOSED IN EIP-1470. IT IS LOOSELY ALIGNED TO THE TERMINOLOGIES AND STRUCTURE USED IN THE COMMON WEAKNESS ENUMERATION (CWE) WHILE OVERLAYING A WIDE RANGE OF WEAKNESS VARIANTS THAT ARE SPECIFIC TO SMART CONTRACTS.

| ID | Description | AI | Manua1 | Result |
|---------|-----------------------------------------------------|--------|--------|--------|
| SWC-100 | Function Default Visibility | Passed | Passed | Passed |
| SWC-101 | Integer Overflow and Underflow | Passed | Passed | Passed |
| SWC-102 | Outdated Compiler Version | Passed | Passed | Passed |
| SWC-103 | Floating Pragma | Low | Passed | Passed |
| SWC-104 | Unchecked Call Return Value | Passed | Passed | Passed |
| SWC-105 | Unprotected Ether Withdrawal | Passed | Passed | Passed |
| SWC-106 | Unprotected SELFDESTRUCT Instruction | Passed | Passed | Passed |
| SWC-107 | Reentrancy | High | Medium | Medium |
| SWC-108 | State Variable Default Visibility | Passed | Passed | Passed |
| SWC-109 | Uninitialized Storage Pointer | Passed | Passed | Passed |
| SWC-110 | Assert Violation | Passed | Passed | Passed |
| SWC-111 | Use of Deprecated Solidity Functions | Passed | Passed | Passed |
| SWC-112 | Delegatecall to Untrusted Callee | Passed | Passed | Passed |
| SWC-113 | DoS with Failed Call | Passed | Passed | Passed |
| SWC-114 | Transaction Order Dependence | Passed | Passed | Passed |
| SWC-115 | Authorization through tx.origin | Passed | Passed | Passed |
| SWC-116 | Block values as a proxy for time | Passed | Passed | Passed |
| SWC-117 | Signature Malleability | Passed | Passed | Passed |
| SWC-118 | Incorrect Constructor Name | Passed | Passed | Passed |
| SWC-119 | Shadowing State Variables | Passed | Passed | Passed |
| SWC-120 | Weak Sources of Randomness from Chain Attributes | Passed | Passed | Passed |





| SWC-121 | Missing Protection against Signature Replay Attacks | Passed | Passed | Passed |
|---------|------------------------------------------------------------|--------|--------|--------|
| SWC-122 | Lack of Proper Signature Verification | Passed | Passed | Passed |
| SWC-123 | Requirement Violation | Passed | Passed | Passed |
| SWC-124 | Write to Arbitrary Storage Location | Passed | Passed | Passed |
| SWC-125 | Incorrect Inheritance Order | Passed | Passed | Passed |
| SWC-126 | Insufficient Gas Griefing | Passed | Passed | Passed |
| SWC-127 | Arbitrary Jump with Function Type Variable | Passed | Passed | Passed |
| SWC-128 | DoS With Block Gas Limit | Passed | Passed | Passed |
| SWC-129 | Typographical Error | Passed | Passed | Passed |
| SWC-130 | Right-To-Left-Override control character (U+202E) | Passed | Passed | Passed |
| SWC-131 | Presence of unused variables | Passed | Passed | Passed |
| SWC-132 | Unexpected Ether balance | Passed | Passed | Passed |
| SWC-133 | Hash Collisions With Multiple Variable Length Arguments | Passed | Passed | Passed |
| SWC-134 | Message call with hardcoded gas amount | Passed | Passed | Passed |
| SWC-135 | Code With No Effects | Passed | Passed | Passed |
| SWC-136 | Unencrypted Private Data On-Chain | Passed | Passed | Passed |



Detected High and Medium Severity Vulnerability Description

⚠ Unchecked Transfer (1 Items)

| Item: 1 | Location: | Line 519 | Severity: | Medium |
|---------|-----------|----------|-----------|--------|

| Function | Some tokens do not revert the transaction when the transfer or transferFrom fails and returns False. Hence we must check the return value after calling the transfer or transferFrom function. |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Remedation | Use OpenZeppelin SafeERC20's safetransfer and safetransferFrom functions. |

```
function remove_Random_Tokens(address random_Token_Address), uint256 percent_of_Tokens() public returns(bool _sent()){
                require(random_Token_Address! != address(this), "Can not remove native token");
                uint256 totalRandom = IERC20(random_Token_Address().balanceOf(address(this));
∆ 517
                uint256 removeRandom = totalRandom*percent_of_Tokens1/100;
                _sent1 = IERC20(random_Token_Address1).transfer(Wallet_Dev, removeRandom);
▲ 519
```



⚠ Unchecked Array Lenght (1 Items)

| Item: 1 Location: Line 370 | Severity: Medium | |
|----------------------------|------------------|--|
|----------------------------|------------------|--|

| Function | Ethereum is a very resource-constrained environment. Prices per computational step are orders of magnitude higher than with centralized providers. Moreover, Ethereum miners impose a limit on the total number of Gas consumed in a block. If array.length is large enough, the function exceeds the block gas limit, and transactions calling it will never be confirmed. for (uint256 i = 0; i < array.length; i++) { cosltyFunc(); } |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | This becomes a security issue if an external actor influences array.length. E.g., if an array enumerates all registered addresses, an adversary can register many addresses, causing the problem described above. |
| Remedation | Either explicitly or just due to normal operation, the number of iterations in a loop can grow beyond the block gas limit, which can cause the complete contract to be stalled at a certain point. Therefore, loops with a bigger or unknown number of steps should always be avoided. |

```
ftrace | funcSig
function bulkAntiBot(address[] memory accountst, bool statet) external onlyOwner{
    for(uint256 i = 0; i < accounts 1.length; i++){</pre>
        _isBot[accountsf[i]] = statef;
```



A

Reentrancy (1 Items)

| Item: 1 Location: Line 515-520 | Severity: Medium |
|--------------------------------|------------------|
|--------------------------------|------------------|

| Function | In a Re-entrancy attack, a malicious contract calls back into the calling contract before the first invocation of |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| | the function is finished. This may cause the different |
| | invocations of the function to interact in undesirable ways, especially in cases where the function is updating state variables after the external calls. |
| | This may lead to loss of funds, improper value updates, |
| | token loss, etc. |
| Remedation | It is recommended to add a [Re-entrancy Guard] to the |
| | functions making external calls. The functions should |
| | use a Checks-Effects-Interactions pattern. The external |
| | calls should be executed at the end of the function and |
| | all the state-changing must happen before the call. |

```
function remove_Random_Tokens(address random_Token_Address*, uint256 percent_of_Tokens*) public returns(bool _sent*) {

require(random_Token_Address* != address(this), "Can not remove native token");

uint256 totalRandom = IERC20(random_Token_Address*).balanceOf(address(this));

uint256 removeRandom = totalRandom*percent_of_Tokens*/100;

_sent*! = IERC20(random_Token_Address*).transfer(Wallet_Dev, removeRandom);

}
```



⚠ Usage of EXTCodesize to check for externally owned accounts (1 Items)

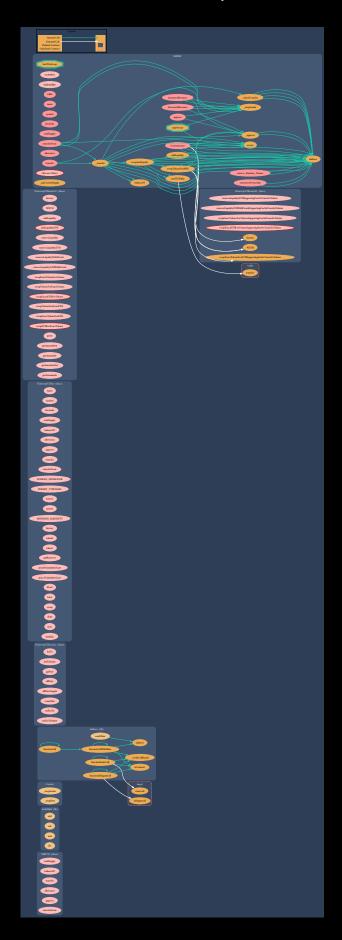
| Item: 1 | Location: | Line 59 | Severity: | Medium |
|---------|-----------|---------|-----------|--------|
| | | | | |

| Function | extcodesize is used to check if a contract is an | | | |
|------------|----------------------------------------------------------|--|--|--|
| | externally owned account or another contract. | | | |
| | extcodesize returns 0 for externally owned accounts but | | | |
| | there's a specific condition here that when | | | |
| | an extcodesize check is made to a contract that is still | | | |
| | under construction or when the contract's constructor is | | | |
| | running, extcodesize for its address returns zero. | | | |
| | This may give erroneous outputs for checking externally | | | |
| | owned contracts. | | | |
| Remedation | It is recommended to manually check and validate at | | | |
| | compile-time that the contract/account address being | | | |
| | checked inside extcodesize does not return improper | | | |
| | values due to the external contract's construction. | | | |

```
function isContract(address account) internal view returns (bool) {
   uint256 size;
   assembly { size := extcodesize(account) }
   return size > 0;
```

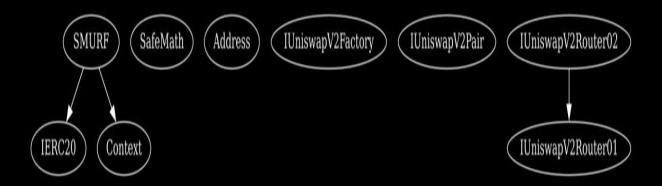


Contract Flow Graph





Inheritance Graph





Contract Functions

| Contract | Туре | Bases | | |
|----------|-----------------------|------------|------------|-----------|
| | Function Name | Visibility | Mutability | Modifiers |
| | | | | |
| IERC20 | Interface | | | |
| | totalSupply | External ! | | NO! |
| | balanceOf | External ! | | NO! |
| | transfer | External ! | | NO! |
| | allowance | External ! | | NO! |
| | approve | External ! | | NO! |
| | transferFrom | External ! | | NO! |
| | | | | |
| SafeMath | Library | | | |
| | add | Internal 🔒 | | |
| | sub | Internal 🔒 | | |
| | mul | Internal 🔒 | | |
| | div | Internal 🔒 | | |
| | sub | Internal 🔒 | | |
| | div | Internal 🔒 | | |
| | | | | |
| Context | Implementation | | | |
| | _msgSender | Internal 🔒 | | |
| | _msgData | Internal 🔒 | | |
| | | | | |
| Address | Library | | | |
| | isContract | Internal 🔒 | | |
| | sendValue | Internal 🔒 | | |
| | functionCall | Internal 🔒 | | |
| | functionCall | Internal 🔒 | | |
| | functionCallWithValue | Internal 🔒 | | |
| | functionCallWithValue | Internal 🔒 | • | |
| | functionStaticCall | Internal 🔒 | | |
| | functionStaticCall | Internal 🔒 | | |
| | functionDelegateCall | Internal 🔒 | • | |
| | functionDelegateCall | Internal 🔒 | • | |



| | verify Call Decult | Drivete (| | |
|-----------------------|-------------------------|------------|---|-----|
| | _verifyCallResult | Private 🔐 | | |
| | | | | |
| IUniswapV2F actory | Interface | | | |
| | feeTo | External ! | | NO! |
| | feeToSetter | External ! | | NO! |
| | getPair | External ! | | NO! |
| | allPairs | External ! | | NO! |
| | allPairsLength | External ! | | NO! |
| | createPair | External ! | | NO! |
| | setFeeTo | External ! | | NO! |
| | setFeeToSetter | External ! | 0 | NO! |
| | | | | |
| IUniswapV2P air | Interface | | | |
| | name | External ! | | NO! |
| | symbol | External ! | | NO! |
| | decimals | External ! | | NO! |
| | totalSupply | External ! | | NO! |
| | balanceOf | External ! | | NO! |
| | allowance | External ! | | NO! |
| | approve | External ! | | NO! |
| | transfer | External ! | | NO! |
| | transferFrom | External ! | | NO! |
| | DOMAIN_SEPARATOR | External ! | | NO! |
| | PERMIT_TYPEHASH | External ! | | NO! |
| | nonces | External ! | | NO! |
| | permit | External ! | | NO! |
| | MINIMUM_LIQUIDITY | External ! | | NO! |
| | factory | External ! | | NO! |
| | token0 | External ! | | NO! |
| | token1 | External | | NO! |
| | getReserves | External | | NO! |
| | price OC umulative Last | External ! | | NO! |
| | price 1 Cumulative Last | External ! | | NO! |
| | kLast | External ! | | NO! |
| | burn | External ! | | NO! |



| | swap | External ! | | NO! |
|------------------------|-----------------------------------------------------------|------------------------|----------|-----|
| | skim | External | | NO! |
| | sync | External ! | | NO! |
| | initialize | External ! | | NO! |
| | | | | |
| IUniswapV2R outer01 | Interface | | | |
| | factory | External ! | | NO! |
| | WETH | External ! | | NO! |
| | addLiquidity | External ! | | NO! |
| | addLiquidityETH | External ! | <u>•</u> | NO! |
| | removeLiquidity | External ! | | NO! |
| | removeLiquidityETH | External ! | | NO! |
| | removeLiquidityWithPermit | External ! | | NO! |
| | removeLiquidityETHWithPermi t | External ! | | NO! |
| | swapExactTokensForTokens | External ! | | NO! |
| | swapTokensForExactTokens | External ! | | NO! |
| | swapExactETHForTokens | External ! | <u>u</u> | NO! |
| | swap Tokens For Exact ETH | External ! | | NO! |
| | swap Exact Tokens For ETH | External ! | | NO! |
| | swapETHForExactTokens | External ! | u • | NO! |
| | quote | External ! | | NO! |
| | getAmountOut | External ! | | NO! |
| | getAmountIn | External ! | | NO! |
| | get Amounts Out | External ! | | NO! |
| | get Amounts In | External ! | | NO! |
| | | | | |
| IUniswapV2R outer02 | Interface | IUniswapV2Ro uter01 | | |
| | remove Liquidity ETH Supportin gFee On Transfer Tokens | External ! | | NO! |



| removeLiquidityETHWithPermitSupportingFeeOnTransferTokens ens swapExactTokensForTokensSupportingFeeOnTransferTokens swapExactETHForTokensSupportingFeeOnTransferTokens swapExactETHForTokensSupportingFeeOnTransferTokens swapExactTokensForETHSupportingFeeOnTransferTokens swapExactTokensForETHSupportingFeeOnTransferTokens swapExactTokensForETHSupportingFeeOnTransferTokens External ! NO! SMURF Implementation | | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------|------------|------------|-----------|
| swapExactETHForTokensSupp ortingFeeOnTransferTokens swapExactTokensForETHSupp ortingFeeOnTransferTokens swapExactTokensForETHSupp ortingFeeOnTransferTokens External! NO! SMURF Implementation Context, IERC20 Owner Public! NO! Public! NO! Public! NO! SetAntibot External! OnlyOwner bulkAntiBot External! OnlyOwner isBot Public! NO! NO! Adecimals Public! NO! NO! Symbol Public! NO! NO! Delic! NO! NO! Symbol Public! NO! NO! TotalSupply Public! NO! Delic! NO! NO! TotalSupply Public! NO! NO! TotalSupply NO! Public! NO! NO! TotalSupply Public! NO! NO! TotalSupply NO! Public! NO! TotalSupply NO! Public! NO! NO! TotalSupply Public! NO! NO! TotalSupply NO! Public! NO! NO! TotalSupply NO! Public! NO! NO! TotalSupply Public! NO! NO! NO! Public! NO! NO! NO! NO! NO! Public! NO! NO! NO! NO! NO! NO! NO! N | | tSupportingFeeOnTransferTok | External ! | | NO! |
| swapExactTokensForETHSupp ortingFeeOnTransferTokens swapExactTokensForETHSupp ortingFeeOnTransferTokens swapExactTokensForETHSupp ortingFeeOnTransferTokens swapExactTokensForETHSupp ortingFeeOnTransferTokens swapExactTokensForETHSupp | | • | External ! | • | NO! |
| ortingFeeOnTransferTokens SMURF Implementation Context, IERC20 owner Public! NO! Public! NO! Public! NO! SetAntibot External! OnlyOwner bulkAntiBot External! OnlyOwner isBot Public! NO! NO! Amme Public! NO! NO! Symbol Public! NO! Symbol Public! NO! Adecimals Public! NO! Delic! NO! NO! TotalSupply Public! NO! Delic! NO! TotalSupply Public! NO! TotalSupply Public! NO! NO! Public! NO! NO! Public! NO! NO! TotalSupply Public! NO! NO! Public! NO! Public! NO! NO! Public! NO! NO! Public! NO! Publ | | | External ! | | NO! |
| Implementation IERC20 NO! | | | External ! | • | NO! |
| Implementation IERC20 NO! | | | | | |
| renounceOwnership Public! NO! Public! NO! SetAntibot External! OnlyOwner bulkAntiBot External! OnlyOwner isBot Public! NO! name Public! NO! symbol Public! NO! decimals Public! NO! totalSupply Public! NO! balanceOf Public! NO! transfer Public! NO! allowance Public! NO! approve Public! NO! transferFrom Public! NO! increaseAllowance Public! NO! decreaseAllowance Public! NO! External! NO! -getCurrentSupply Private - -approve Private - -approve Private - -approve Private - -approve Private - | SMURF | Implementation | | | |
| Public! OnlyOwner SetAntibot External! OnlyOwner bulkAntiBot External! OnlyOwner isBot Public! NO! name Public! NO! symbol Public! NO! decimals Public! NO! totalSupply Public! NO! balanceOf Public! NO! transfer Public! NO! allowance Public! NO! transfer Public! NO! allowance Public! NO! approve Public! NO! transferFrom Public! NO! transferFrom Public! NO! transferFrom Public! NO! transferFrom Public! NO! increaseAllowance Public! NO! decreaseAllowance Public! NO! decreaseAllowance Public! NO! approve Private NO! approve Private NO! approve Private OnlyOwner no! NO! approve Private OnlyOwner nollowance OnlyOwner nollowance OnlyOwner nollowance NO! approve Private OnlyOwner nollowance NO! approve Private OnlyOwner nollowance OnlyOwner nollowance NO! approve Private OnlyOwner nollowance Onl | | owner | Public ! | | NO! |
| setAntibot External! OnlyOwner bulkAntiBot External! OnlyOwner isBot Public! NO! name Public! NO! symbol Public! NO! decimals Public! NO! totalSupply Public! NO! balanceOf Public! NO! transfer Public! NO! allowance Public! NO! approve Public! NO! transferFrom Public! NO! increaseAllowance Public! NO! becreaseAllowance Public! NO! increaseAllowance Public! NO! increaseAllowance Public! NO! decreaseAllowance Public! NO! approve Public! NO! increaseAllowance Public! NO! decreaseAllowance Public! NO! About NO! External! NO! approve Private Public! NO! | | renounce Ownership | Public ! | | NO! |
| bulkAntiBot External ! | | | Public ! | | NO! |
| isBot Public! NO! name Public! NO! symbol Public! NO! decimals Public! NO! totalSupply Public! NO! balanceOf Public! NO! transfer Public! NO! allowance Public! NO! approve Public! NO! transferFrom Public! NO! transferFrom Public! NO! balanceOf Public! NO! approve Public! NO! transferFrom Public! NO! transferFrom Public! NO! balanceOf Public! NO! approve Public! NO! increaseAllowance Public! NO! balanceOf Public! NO! increaseAllowance Public! NO! approve Private Public! NO! | | setAntibot | External ! | | onlyOwner |
| isBot Public! NO! name Public! NO! symbol Public! NO! decimals Public! NO! totalSupply Public! NO! balanceOf Public! NO! transfer Public! NO! allowance Public! NO! approve Public! NO! transferFrom Public! NO! transferFrom Public! NO! balanceOf Public! NO! approve Public! NO! transferFrom Public! NO! balanceOf Public! NO! approve Private Allowance NO! approve Private Allowance Private | | bulkAntiBot | External ! | | onlyOwner |
| name Public! NO! symbol Public! NO! decimals Public! NO! totalSupply Public! NO! balanceOf Public! NO! transfer Public! NO! allowance Public! NO! approve Public! NO! transferFrom Public! NO! transferFrom Public! NO! balanceOf Public! NO! approve Public! NO! transferFrom Public! NO! transferFrom Public! NO! increaseAllowance Public! NO! decreaseAllowance Public! NO! Sexternal! NO! approve Private NO! | | isBot | | _ | - |
| symbol Public! NO! decimals Public! NO! totalSupply Public! NO! balanceOf Public! NO! transfer Public! NO! allowance Public! NO! approve Public! NO! transferFrom Public! NO! transferFrom Public! NO! transferFrom Public! NO! increaseAllowance Public! NO! cleaseAllowance Public! NO! decreaseAllowance Public! NO! decreaseAllowance Public! NO! Approve Private NO! External! NO! approve Private Private NO! | | name | | | NO! |
| decimals Public! NO! totalSupply Public! NO! balanceOf Public! NO! transfer Public! NO! allowance Public! NO! approve Public! NO! transferFrom Public! NO! increaseAllowance Public! NO! becomes Public! NO! TransferFrom Public! NO! increaseAllowance Public! NO! compared Public! NO! AdecreaseAllowance Public! NO! becomes NO! The strength NO! External! NO! approve Private Public! NO! | | | | | |
| totalSupply Public! NO! balanceOf Public! NO! transfer Public! NO! allowance Public! NO! approve Public! NO! transferFrom Public! NO! increaseAllowance Public! NO! decreaseAllowance Public! NO! External! NO! _getCurrentSupply Private ↑ _approve Private ↑ | | | | | |
| balanceOf Public! NO! transfer Public! NO! allowance Public! NO! approve Public! NO! transferFrom Public! NO! increaseAllowance Public! NO! decreaseAllowance Public! NO! Lexternal! NO! _getCurrentSupply Private \(\hat{\text{Private}}\) _approve Private \(\hat{\text{Private}}\) | | | | | _ |
| allowance Public! NO! approve Public! NO! transferFrom Public! NO! increaseAllowance Public! NO! decreaseAllowance Public! NO! External! NO! _getCurrentSupply Private \(\hat{\text{Private}}\) _approve Private \(\hat{\text{Private}}\) | | | | | |
| allowance Public! NO! approve Public! NO! transferFrom Public! NO! increaseAllowance Public! NO! decreaseAllowance Public! NO! External! NO! _getCurrentSupply Private \(\text{Private}\) _approve Private \(\text{Private}\) | | transfer | Public ! | | NO! |
| transferFrom Public! NO! increaseAllowance Public! NO! decreaseAllowance Public! NO! External! NO! _getCurrentSupply Private \(\text{Private}\) _approve Private \(\text{Private}\) | | allowance | | | NO! |
| increaseAllowance Public! NO! decreaseAllowance Public! NO! External! NO! _getCurrentSupply _approve Private | | approve | Public ! | | NO! |
| decreaseAllowance Public! External! NO! _getCurrentSupply Private Pr | | | Public ! | | NO! |
| External ! NO! _getCurrentSupply Private Priv | | increaseAllowance | Public ! | | NO! |
| _getCurrentSupply Private 🔐 | | decreaseAllowance | Public ! | | NO! |
| _getCurrentSupply Private 🔐 | | | External ! | <u>u</u> D | NO! |
| _approve Private 🔐 | | _getCurrentSupply | | | |
| | | | | | |
| _transfer Private 📴 📗 | | _transfer | Private 🔐 | | |





| sendToWallet | Private 🔐 | |
|----------------------|-----------|-------------|
| swapAndLiquify | Private 🔐 | lockTheSwap |
| swapTokensForBNB | Private 🔐 | |
| addLiquidity | Private 🔐 | |
| remove_Random_Tokens | Public ! | NO! |
| _tokenTransfer | Private 🔐 | |

Function Function can modify §]• is payable state

Source:

File Name SHA-1 Hash

c:\Solidity\smurfcoin.sol 3d74665f7cc6b587628fd5e76474efdeeff22e81



Audit Scope

Audit Method.

Our smart contract audit is an extensive methodical examination and analysis of the smart contract's code that is used to interact with the blockchain. Goal: discover errors, issues and security vulnaribilities in the code. Findings getting reported and improvements getting suggested.

Automatic and Manual Review

We are using automated tools to scan functions and weeknesses of the contract. Transfers, integer over-undeflow checks such as all CWE events.

Tools we use:

Visual Studio Code **CWE** SWC Solidity Scan **SVD**

In manual code review our auditor looking at source code and performing line by line examination. This method helps to clarify developer's coding decisions and business logic.

Skeleton Ecosystem

https://skeletonecosystem.com

https://github.com/SkeletonEcosystem/Audits

