



RUGFREECOINS



Trump 2024 Token

RugfreeCoins Verified on January 22nd, 2024

Overview

- ✓ No mint function found, the owner cannot mint tokens after initial deployment.
- ✓ The owner can't set a max transaction limit
- ✓ The owner can't pause trading once it's enabled
- ✓ The owner can't change fees over 6%.
- ✓ The owner can't blacklist wallets.
- ✓ The owner can't set a max wallet limit
- ✓ The owner can't claim the contract's balance of its own token.

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Audit details



Audited project

TRUMP 2024 Token



Contract Address

0x48682573E6Cc34b98F488fc10D2C18210419E5a7



Client contact

TRUMP 2024 Token Team



Blockchain

Binance Smart chain



Project website

<https://donaldtrump2024.pro/>

Disclaimer

This is a limited report on our findings based on our analysis, in accordance with good industry practice as at the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, the details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report. While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – **please make sure to read it in full.**

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The analysis of the security is purely based on the smart contracts alone. No applications or operations were reviewed for security. No product code has been reviewed.

Background

RugfreeCoins was commissioned by the **TRUMP 2024 Token Team** to perform an audit of the smart contract.

<https://bscscan.com/token/0x48682573e6cc34b98f488fc10d2c18210419e5a7>

This audit focuses on verifying that the smart contract is secure, resilient, and working according to the specifications.

The information in this report should be used to understand the risk exposure of the smart contract, project feasibility, and long-term sustainability, and as a guide to improving the smart contract's security posture by remediating the identified issues.

Tokenomics












▲ 3% tax when buying & selling

3% of trade goes to the fee wallet in BNB

Target market and the concept

- ▶ Anyone who's interested in the Crypto space with long-term investment plans.
- ▶ Anyone who's ready to earn a passive income by holding tokens.
- ▶ Anyone who's interested in trading tokens.
- ▶ Anyone who's interested in taking part in the TRUMP 2024 token ecosystem.
- ▶ Anyone who's interested in taking part in the future plans of TRUMP 2024 Token.
- ▶ Anyone who's interested in making financial transactions with any other party TRUMP 2024 Token as the currency.

Potential to grow with score points

| | |
|---|-----------------|
|  Project efficiency | 8 / 10 |
|  Project uniqueness | 8 / 10 |
|  Information quality | 8 / 10 |
|  Service quality | 8 / 10 |
|  System quality | 8 / 10 |
|  Impact on the community | 8 / 10 |
|  Impact on the business | 9 / 10 |
|  Preparing for the future | 8 / 10 |
|  Smart contract security | 10 / 10 |
|  Smart contract functionality assessment | 10 / 10 |
|  Total Score | 8.5 / 10 |

Contract details

Token contract details for 22nd of January 2024






| | |
|----------------------------------|--|
| Contract name | TRUMP2024 |
| Contract address | 0x48682573E6Cc34b98F488fc10D2C18210419E5a7 |
| Token supply | 420,000,000,000,000,000 |
| Token ticker | TRUMP2024 |
| Decimals | 6 |
| Token holders | 1 |
| Transaction count | 1 |
| Contract deployer address | 0x461a879D248Aa820246786DffdFA2ACe1B34B567 |
| Contract's current owner address | 0x461a879D248Aa820246786DffdFA2ACe1B34B567 |
| Fee wallet | 0x461a879D248Aa820246786DffdFA2ACe1B34B567 |


















































Contract code function details


















| Nº | Category | Item | Result |
|----|---------------------------------------|--|--------|
| 1 | Coding conventions | ERC20 Token standards | PASS ▾ |
| | | Compile errors | PASS ▾ |
| | | Compiler version security | PASS ▾ |
| | | Visibility specifiers | PASS ▾ |
| | | Gas consumption | PASS ▾ |
| | | SafeMath features | PASS ▾ |
| | | Fallback usage | PASS ▾ |
| | | tx.origin usage | PASS ▾ |
| | | Deprecated items | PASS ▾ |
| | | Redundant code | PASS ▾ |
| 2 | Function call audit | Overriding variables | PASS ▾ |
| | | Authorization of function call | PASS ▾ |
| | | Low level function (call/delegate call) security | PASS ▾ |
| | | Returned value security | PASS ▾ |
| 3 | Business security & centralisation | Self destruct function security | PASS ▾ |
| | | Access control of owners | PASS ▾ |
| | | Business logics | PASS ▾ |
| 4 | Integer overflow/underflow | Business implementation | PASS ▾ |
| | | | |
| 5 | Reentrancy | | PASS ▾ |
| 6 | Exceptional reachable state | | PASS ▾ |
| 7 | Transaction ordering dependence | | PASS ▾ |
| 8 | Block properties dependence | | PASS ▾ |
| 9 | Pseudo random number generator (PRNG) | | PASS ▾ |
| 10 | DoS (Denial of Service) | | PASS ▾ |
| 11 | Token vesting implementation | | PASS ▾ |
| 12 | Fake deposit | | PASS ▾ |
| 13 | Event security | | PASS ▾ |
























Contract description table

The below table represents the summary of the contracts and methods in the token contract. We scanned the whole contract and listed down all the Interfaces, functions, and implementations with their visibility and mutability.

| Contract | Type | Bases | | |
|-----------------------|-----------------------|--|---|-----------|
| L | Function Name | Visibility | Mutability | Modifiers |
| | | | | |
| IERC20Errors | Interface | | | |
| | | | | |
| IERC721Errors | Interface | | | |
| | | | | |
| IERC1155Errors | Interface | | | |
| | | | | |
| IERC20 | Interface | | | |
| L | totalSupply | External ! | | NO ! |
| L | balanceOf | External ! | | NO ! |
| L | transfer | External ! |  | NO ! |
| L | allowance | External ! | | NO ! |
| L | approve | External ! |  | NO ! |
| L | transferFrom | External ! |  | NO ! |
| | | | | |
| IERC20Metadata | Interface | IERC20 | | |
| L | name | External ! | | NO ! |
| L | symbol | External ! | | NO ! |
| L | decimals | External ! | | NO ! |
| | | | | |
| Context | Implementation | | | |
| L | _msgSender | Internal  | | |
| L | _msgData | Internal  | | |

| | | | | |
|----------------|-----------------------|--|---|--|
| L | _contextSuffixLength | Internal  | | |
| | | | | |
| ERC20 | Implementation | Context, IERC20, IERC20Meta data, IERC20 Errors | | |
| L | | Public  |  | NO  |
| L | name | Public  | | NO  |
| L | symbol | Public  | | NO  |
| L | decimals | Public  | | NO  |
| L | totalSupply | Public  | | NO  |
| L | balanceOf | Public  | | NO  |
| L | transfer | Public  |  | NO  |
| L | allowance | Public  | | NO  |
| L | approve | Public  |  | NO  |
| L | transferFrom | Public  |  | NO  |
| L | _transfer | Internal  |  | |
| L | _update | Internal  |  | |
| L | _mint | Internal  |  | |
| L | _burn | Internal  |  | |
| L | _approve | Internal  |  | |
| L | _approve | Internal  |  | |
| L | _spendAllowance | Internal  |  | |
| | | | | |
| Ownable | Implementation | Context | | |
| L | | Public  |  | NO  |
| L | owner | Public  | | NO  |
| L | _checkOwner | Internal  | | |
| L | renounceOwnership | Public  |  | onlyOwner |
| L | transferOwnership | Public  |  | onlyOwner |

| | | | | |
|----------------------------|---|--|---|------|
| L | _transferOwnership | Internal  |  | |
| | | | | |
| IUniswapV2 Router01 | Interface | | | |
| L | factory | External ! | | NO ! |
| L | WETH | External ! | | NO ! |
| L | addLiquidity | External ! |  | NO ! |
| L | addLiquidityETH | External ! |  | NO ! |
| L | removeLiquidity | External ! |  | NO ! |
| L | removeLiquidityETH | External ! |  | NO ! |
| L | removeLiquidityWithPermit | External ! |  | NO ! |
| L | removeLiquidityETHWithPermit | External ! |  | NO ! |
| L | swapExactTokensForTokens | External ! |  | NO ! |
| L | swapTokensForExactTokens | External ! |  | NO ! |
| L | swapExactETHForTokens | External ! |  | NO ! |
| L | swapTokensForExactETH | External ! |  | NO ! |
| L | swapExactTokensForETH | External ! |  | NO ! |
| L | swapETHForExactTokens | External ! |  | NO ! |
| L | quote | External ! | | NO ! |
| L | getAmountOut | External ! | | NO ! |
| L | getAmountIn | External ! | | NO ! |
| L | getAmountsOut | External ! | | NO ! |
| L | getAmountsIn | External ! | | NO ! |
| | | | | |
| IUniswapV2 Router02 | Interface | IUniswapV2 Router01 | | |
| L | removeLiquidityETHSupportingFeeOnTransferTokens | External ! |  | NO ! |
| L | removeLiquidityETHWithPermitSupportingFeeOnTransferTokens | External ! |  | NO ! |
| L | swapExactTokensForTokensSupportingFeeOnTransferTokens | External ! |  | NO ! |

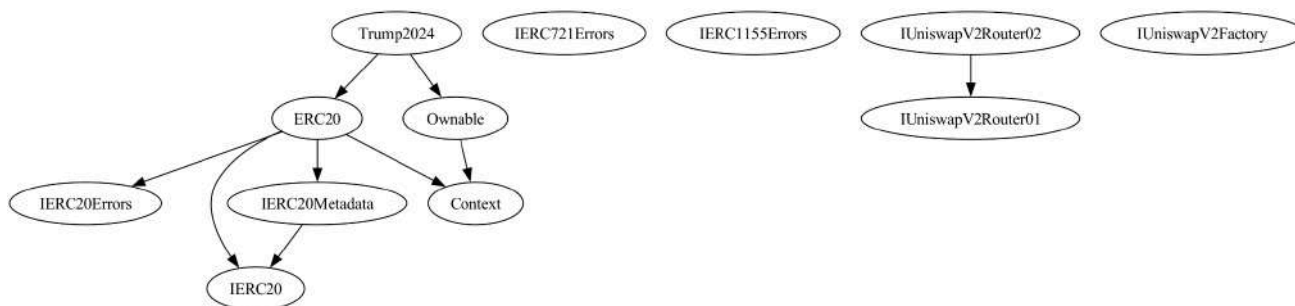
| | | | | |
|---------------------------|--|--|---|---------------|
| L | swapExactETHForTokensSupportingFeeOnTransferTokens | External ! |  | NO ! |
| L | swapExactTokensForETHSupportingFeeOnTransferTokens | External ! |  | NO ! |
| | | | | |
| IUniswapV2 Factory | Interface | | | |
| L | feeTo | External ! | | NO ! |
| L | feeToSetter | External ! | | NO ! |
| L | getPair | External ! | | NO ! |
| L | allPairs | External ! | | NO ! |
| L | allPairsLength | External ! | | NO ! |
| L | createPair | External ! |  | NO ! |
| L | setFeeTo | External ! |  | NO ! |
| L | setFeeToSetter | External ! |  | NO ! |
| | | | | |
| Trump2024 | Implementation | ERC20, Ownable | | |
| L | | Public ! |  | ERC20 Ownable |
| L | | External ! |  | NO ! |
| L | decimals | Public ! | | NO ! |
| L | _update | Internal  |  | |
| L | swapTokensForEth | Private  |  | lockTheSwap |
| L | sendETHToFee | Private  |  | |
| L | updateFeeWallet | External ! |  | onlyOwner |
| L | _updateFeeWallet | Private  |  | |
| L | updateFees | Public ! |  | onlyOwner |
| L | _updateFees | Private  |  | |
| L | excludeFromFees | Public ! |  | onlyOwner |
| L | _excludeFromFees | Private  |  | |
| L | setAutomatedMarketMakerPair | Public ! |  | onlyOwner |

| | | | | |
|---|------------------------------|------------|---|-----------|
| L | _setAutomatedMarketMakerPair | Private 🔒 | 🛑 | |
| L | updateSwapTokensAtAmount | External ! | 🛑 | onlyOwner |

Legend

| Symbol | Meaning |
|--------|---------------------------|
| 🛑 | Function can modify state |
| 💰 | Function is payable |

Inheritance Hierarchy



Security issue checking status

❖ High severity issues

No high severity issues found

❖ Medium severity issues

No medium severity issues found

❖ Low severity issues

No high severity issues found

Owner privileges

- ❖ Owner can change the fees wallet

```
function updateFeeWallet(address _feeWallet) external onlyOwner {  
    _updateFeeWallet(_feeWallet);  
}
```

- ❖ Owner can change the buy and sell fees maximum of up to 6% (each 3%)

```
function updateFees(uint256 _buyFee, uint256 _sellFee) public onlyOwner {  
    _updateFees(_buyFee, _sellFee);  
}  
  
function _updateFees(uint256 _buyFee, uint256 _sellFee) private {  
    require(_buyFee <= 30 && _sellFee <= 30, "Invalid fees"); // _buyFee and  
    _sellFee <= 3%  
    buyFee = _buyFee;  
    sellFee = _sellFee;  
}
```

- ❖ Owner can include/exclude wallets from fees

```
function excludeFromFees(address account, bool excluded) public onlyOwner {
    _excludeFromFees(account, excluded);
}

function _excludeFromFees(address account, bool excluded) private {
    isExcludedFromFees[account] = excluded;
    emit ExcludeFromFees(account, excluded);
}
```

- ❖ Owner can add/remove new LP pairs

```
function setAutomatedMarketMakerPair(address pair, bool value)
    public
    onlyOwner
{
    require(
        pair != uniswapV2Pair,
        "The pair cannot be removed from automatedMarketMakerPairs"
    );
    require(pair != address(0), "Zero address");

    _setAutomatedMarketMakerPair(pair, value);
}
```

- ❖ Owner can change swap limit between 0.001%-0.08%

```
function updateSwapTokensAtAmount(uint256 _swapTokensAtAmount)
    external
    onlyOwner
    returns (bool)
{
    require(
        _swapTokensAtAmount <= (totalSupply() * 8) / 10000,
        "Swap amount cannot be higher than 0.08% total supply."
    );
    require(
        _swapTokensAtAmount >= (totalSupply() * 1) / 100000,
        "Swap amount cannot be lower than 0.001% total supply."
    );
    swapTokensAtAmount = _swapTokensAtAmount;
    return true;
}
```

Audit conclusion

RugFreeCoins team has performed in-depth testing, line-by-line manual code review, and automated audit of the smart contract. The smart contract was analyzed mainly for common smart contract vulnerabilities, exploits, manipulations, and hacks. According to the smart contract audit.

| | |
|---|----------|
| Smart contract functional Status: | PASS ▾ |
| Smart contract security Status: | NONE ▾ |
| Number of risk issues: | NONE ▾ |
| Solidity code functional issue level: | PASS ▾ |
| Number of owner privileges: | 05 |
| Centralization risk correlated to the active owner: | HIGH ▾ |
| Smart contract active ownership: | ACTIVE ▾ |