



RUGFREECOINS



# Donald Trump Token

RugfreeCoins Verified on September 19th, 2023

# 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 must enable trade for the holders, if trading remains disabled, no one would be able to buy and sell.
- ✓ The owner can't change fees over 2%.
- ✓ 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.

## ! HIGH SEVERITY ISSUES

The owner must enable trade for the holders, if trading remains disabled, no one would be able to buy and sell.

```
function enableTrading() public onlyOwner {  
    require(!tradingEnabled, "Trading already enabled!");  
    require(hasLiqBeenAdded, "Liquidity must be added.");  
    tradingEnabled = true;  
    swapEnabled = true;  
    allowedPresaleExclusion = false;  
}
```

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## Audit details



**Audited project**

Donald Trump Token



**Contract Address**

0x4Eb07b119417B41eFcF1e7241f7f794bc69Eb877



**Client contact**

Donald Trump 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 **Donald Trump Token Team** to perform an audit of the smart contract.

<https://bscscan.com/address/0x4Eb07b119417B41eFcF1e7241f7f794bc69Eb877>

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

## ▲ 1% tax when buying & selling

1% of trade goes to the Dev wallet in BNB












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# 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 Donald Trump token ecosystem.
- ▶ Anyone who's interested in taking part in the future plans of Donald Trump Token.
- ▶ Anyone who's interested in making financial transactions with any other party using Donald Trump Token as the currency.



## Potential to grow with score points

 Project efficiency	8 / 10
 Project uniqueness	7 / 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	9 / 10
 Smart contract functionality assessment	9 / 10
 <b>Total Score</b>	<b>8.2 / 10</b>

# Contract details

Token contract details for 19th of September 2023

Contract name	<b>Donald Trump</b>
Contract address	<b>0x4Eb07b119417B41eFcF1e7241f7f794bc69Eb877</b>
Token supply	<b>100,000,000,000,000,000</b>
Token ticker	<b>TRUMP2024</b>
Decimals	<b>6</b>
Token holders	<b>1</b>
Transaction count	<b>1</b>
Contract deployer address	<b>0x010b0c0e1999c4AD478AE60Ce2102331b4df4659</b>
Contract's current owner address	<b>0x010b0c0e1999c4AD478AE60Ce2102331b4df4659</b>





# 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	LOW ▾
		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	HIGH ▾
		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
<b>SafeMath</b>	<b>Library</b>			
L	add	Internal 🔒		
L	sub	Internal 🔒		
L	sub	Internal 🔒		
L	mul	Internal 🔒		
L	div	Internal 🔒		
L	div	Internal 🔒		
<b>IERC20</b>	<b>Interface</b>			
L	totalSupply	External !		NO !
L	decimals	External !		NO !
L	symbol	External !		NO !
L	name	External !		NO !
L	getOwner	External !		NO !
L	balanceOf	External !		NO !

L	transfer	External !		NO !
L	allowance	External !		NO !
L	approve	External !		NO !
L	transferFrom	External !		NO !
<b>IFactoryV2</b>	<b>Interface</b>			
L	getPair	External !		NO !
L	createPair	External !		NO !
<b>IV2Pair</b>	<b>Interface</b>			
L	factory	External !		NO !
L	getReserves	External !		NO !
L	sync	External !		NO !
<b>IRouter01</b>	<b>Interface</b>			
L	factory	External !		NO !
L	WETH	External !		NO !
L	addLiquidityETH	External !		NO !
L	addLiquidity	External !		NO !
L	swapExactETHForTokens	External !		NO !
L	getAmountsOut	External !		NO !

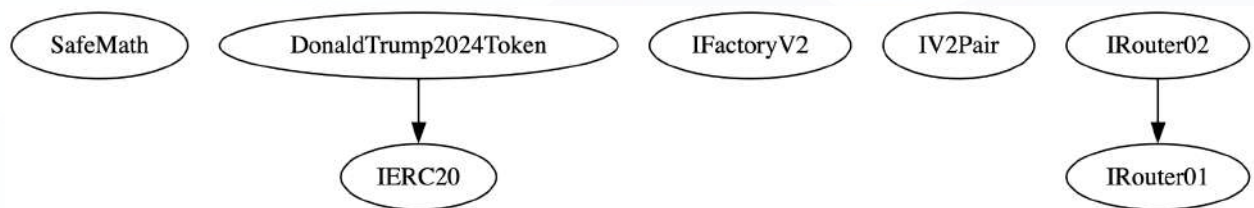
L	getAmountsIn	External !		NO !
<b>IRouter02</b>	<b>Interface</b>	<b>IRouter01</b>		
L	swapExactTokensForETHSupportingFeeOnTransferTokens	External !		NO !
L	swapExactETHForTokensSupportingFeeOnTransferTokens	External !		NO !
L	swapExactTokensForTokensSupportingFeeOnTransferTokens	External !		NO !
L	swapExactTokensForTokens	External !		NO !
<b>DonaldTrump2024Token</b>	<b>Implementation</b>	<b>IERC20</b>		
L		Public !		NO !
L		External !		NO !
L	totalSupply	External !		NO !
L	decimals	External !		NO !
L	symbol	External !		NO !
L	name	External !		NO !
L	getOwner	External !		NO !
L	allowance	Public !		NO !
L	balanceOf	Public !		NO !
L	transfer	Public !		NO !
L	approve	External !		NO !
L	_approve	Internal 		
L	approveContractContingency	External !		onlyOwner

L	transferFrom	External !		NO !
L	_hasLimits	Internal 		
L	_transfer	Internal 		
L	finalizeTransfer	Internal 		
L	_transferAmount	Internal 		
L	_checkLiquidityAdd	Internal 		
L	swapTokensForEth	Private 		lockTheSwap
L	sendETHToFee	Private 		
L	manualswap	External !		NO !
L	manualsend	External !		NO !
L	transferOwner	External !		onlyOwner
L	renounceOwnership	External !		onlyOwner
L	excludePresaleAddresses	External !		onlyOwner
L	setDevAddress	External !		onlyOwner
L	excludeMultipleAccountsFromFees	Public !		onlyOwner
L	enableTrading	Public !		onlyOwner
L	setFee	Public !		onlyOwner
L	updateSwapEnabled	External !		onlyOwner

## Legend

Symbol	Meaning
	Function can modify state
	Function is payable

## Inheritance Hierarchy





# Security issue checking status

## ❖ High severity issues

The owner must enable trade for the holders, if trading remains disabled, no one would be able to buy and sell.

```
function enableTrading() public onlyOwner {  
    require(!tradingEnabled, "Trading already enabled!");  
    require(hasLiqBeenAdded, "Liquidity must be added.");  
    tradingEnabled = true;  
    swapEnabled = true;  
    allowedPresaleExclusion = false;  
}
```

## ❖ Medium severity issues

No medium severity issues found

## ❖ Low severity issues

When excluding multiple wallets from fees, the owner has the ability to input any number of wallets simultaneously. However, if the owner enters a large number of wallets, it may result in a failure due to the gas limit.

```
function excludeMultipleAccountsFromFees(  
    address[] calldata _accounts,  
    bool _excluded  
) public onlyOwner {  
    for (uint256 i = 0; i < _accounts.length; i++) {  
        _isExcludedFromFee[_accounts[i]] = _excluded;  
    }  
}
```

# Owner privileges

- ❖ The owner and dev wallet can manually swap and send BNB to the dev wallet

```
function manualswap() external {
    require(msg.sender == devAddress || msg.sender == _owner);
    uint256 contractBalance = balanceOf(address(this));
    swapTokensForEth(contractBalance);
}

function manualsend() external {
    require(msg.sender == devAddress || msg.sender == _owner);
    uint256 contractETHBalance = address(this).balance;
    sendETHToFee(contractETHBalance);
}
```

- ❖ The owner can transfer ownership

```
function transferOwner(address _newOwner) external onlyOwner {
    require(
        _newOwner != address(0),
        "Call renounceOwnership to transfer owner to the zero address."
    );
    require(
        _newOwner != DEAD,
        "Call renounceOwnership to transfer owner to the zero address."
    );
    if (balanceOf(_owner) > 0) {
        finalizeTransfer(_owner, _newOwner, balanceOf(_owner));
    }

    address oldOwner = _owner;
    _owner = _newOwner;
    _isExcludedFromFee[_owner] = true;

    emit OwnershipTransferred(oldOwner, _newOwner);
}
```

- ❖ The owner can renounce the ownership

```
function renounceOwnership() external onlyOwner {
    address oldOwner = _owner;
    _owner = address(0);
    emit OwnershipTransferred(oldOwner, address(0));
}
```

- ❖ The owner can exclude pre-sale and router address

```
function excludePresaleAddresses(
    address _router,
    address _presale
) external onlyOwner {
    require(allowedPresaleExclusion);
    require(
        _router != address(this) &&
        _presale != address(this) &&
        lpPair != _router &&
        lpPair != _presale,
        "Just don't."
    );
    if (_router == _presale) {
        _liquidityHolders[_presale] = true;
    } else {
        _liquidityHolders[_router] = true;
        _liquidityHolders[_presale] = true;
    }
}
```

- The owner can change the dev wallet address

```
function setDevAddress(address _newAddress) external onlyOwner {  
    require(devAddress != address(0), "address cannot be 0");  
    devAddress = payable(_newAddress);  
}
```

- ❖ The owner can include/exclude multiple wallets from the fee

```
function excludeMultipleAccountsFromFees(  
    address[] calldata _accounts,  
    bool _excluded  
) public onlyOwner {  
    for (uint256 i = 0; i < _accounts.length; i++) {  
        _isExcludedFromFee[_accounts[i]] = _excluded;  
    }  
}
```

- ❖ The owner can enable trading, but once enabled can not disable it again

```
function enableTrading() public onlyOwner {  
    require(!tradingEnabled, "Trading already enabled!");  
    require(hasLiqBeenAdded, "Liquidity must be added.");  
    tradingEnabled = true;  
    swapEnabled = true;  
    allowedPresaleExclusion = false;  
}
```

- ❖ The owner can change total fees to a maximum of up-to 2%

```
function setFee(  
    uint256 _taxFeeOnBuy,  
    uint256 _taxFeeOnSell  
) public onlyOwner {  
    require(_taxFeeOnBuy <= 10, "Tax cannot be more than 1.");  
    require(_taxFeeOnSell <= 10, "Tax cannot be more than 1.");  
    taxFeeOnBuy = _taxFeeOnBuy;  
    taxFeeOnSell = _taxFeeOnSell;  
}
```

- ❖ The owner can enable/disable auto-swapping

```
function updateSwapEnabled(bool _enabled) external onlyOwner {  
    swapEnabled = _enabled;  
}
```

## 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 ▾
Number of risk issues:	2
Solidity code functional issue level:	PASS ▾
Number of owner privileges:	9
Centralization risk correlated to the active owner:	HIGH ▾
Smart contract active ownership:	ACTIVE ▾