



Cyberscope

Audit Report

Titan Doge

March 2022

Type BEP20

Network BSC

Address 0xE85E2A27c0A44079ffb7Fbd0702b315aeD6e25b2

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Contract Review

Contract Name	TitanDoge
Compiler Version	v0.8.7+commit.e28d00a7
Optimization	200 runs
Licence	Unlicense
Explorer	https://bscscan.com/token/0xE85E2A27c0A44079ffb7Fbd0702b315aeD6e25b2
Symbol	TDOGE
Decimals	9
Total Supply	1,000,000,000,000
Source	contract.sol
Domain	titan-doge.com

Audit Updates

Initial Audit	24th March 2022
Corrected	

Contract Analysis

● Critical ● Medium ● Minor ● Pass

Severity	Code	Description
●	ST	Contract Owner is not able to stop or pause transactions
●	OCTD	Contract Owner is not able to transfer tokens from specific address
●	OTUT	Owner Transfer User's Tokens
●	ELFM	Contract Owner is not able to increase fees more than a reasonable percent (25%)
●	ULTW	Contract Owner is not able to increase the amount of liquidity taken by dev wallet more than a reasonable percent
●	MT	Contract Owner is not able to mint new tokens
●	BT	Contract Owner is not able to burn tokens from specific wallet
●	BC	Contract Owner is not able to blacklist wallets from selling

Contract Diagnostics

● Critical ● Medium ● Minor

Severity	Code	Description
●	FSA	Fixed Swap Address
●	L01	Public Function could be Declared External
●	L02	State Variables could be Declared Constant
●	L04	Conformance to Solidity Naming Conventions

FSA - Fixed Swap Address

Criticality	minor
Location	contract.sol#L176

Description

The swap address is assigned once in the constructor and it can not be changed. The decentralized swaps sometimes create a new swap version or abandon the current. A contract that cannot change the swap address may not be able to catch-up the upgrade.

```
pairAddress = IPancakeFactory(_router.factory()).createPair(  
    address(this),  
    _router.WETH()  
);
```

Recommendation

It could be better to allow the swap address mutation in case of future swap updates.

L01 - Public Function could be Declared External

Criticality

minor

Location

contract.sol#L71,75,190,198,205,212,230,235,240,245 and 8 more

Description

Public functions that are never called by the contract should be declared external to save gas.

```
transferFrom
approve
allowance
transfer
totalSupply
decimals
symbol
name
isExcludedFromFee
...
```

Recommendation

Use the external attribute for functions never called from the contract

L02 - State Variables could be Declared Constant

Criticality

minor

Location

contract.sol#L153

Description

Constant state variables should be declared constant to save gas.

```
_minimumTokensBeforeSwap
```

Recommendation

Add the constant attribute to state variables that never change.

L04 - Conformance to Solidity Naming Conventions

Criticality

minor

Location

contract.sol#L97,131,132,133,134,154,156

Description

Solidity defines a naming convention that should be followed. Rule exceptions:

- Allow constant variable name/symbol/decimals to be lowercase.
- Allow _ at the beginning of the mixed_case match for private variables and unused parameters.

```
_router  
_inSwapAndLiquify  
_totalSupply  
_decimals  
_symbol  
_name  
WETH
```

Recommendation

Follow the Solidity naming convention.

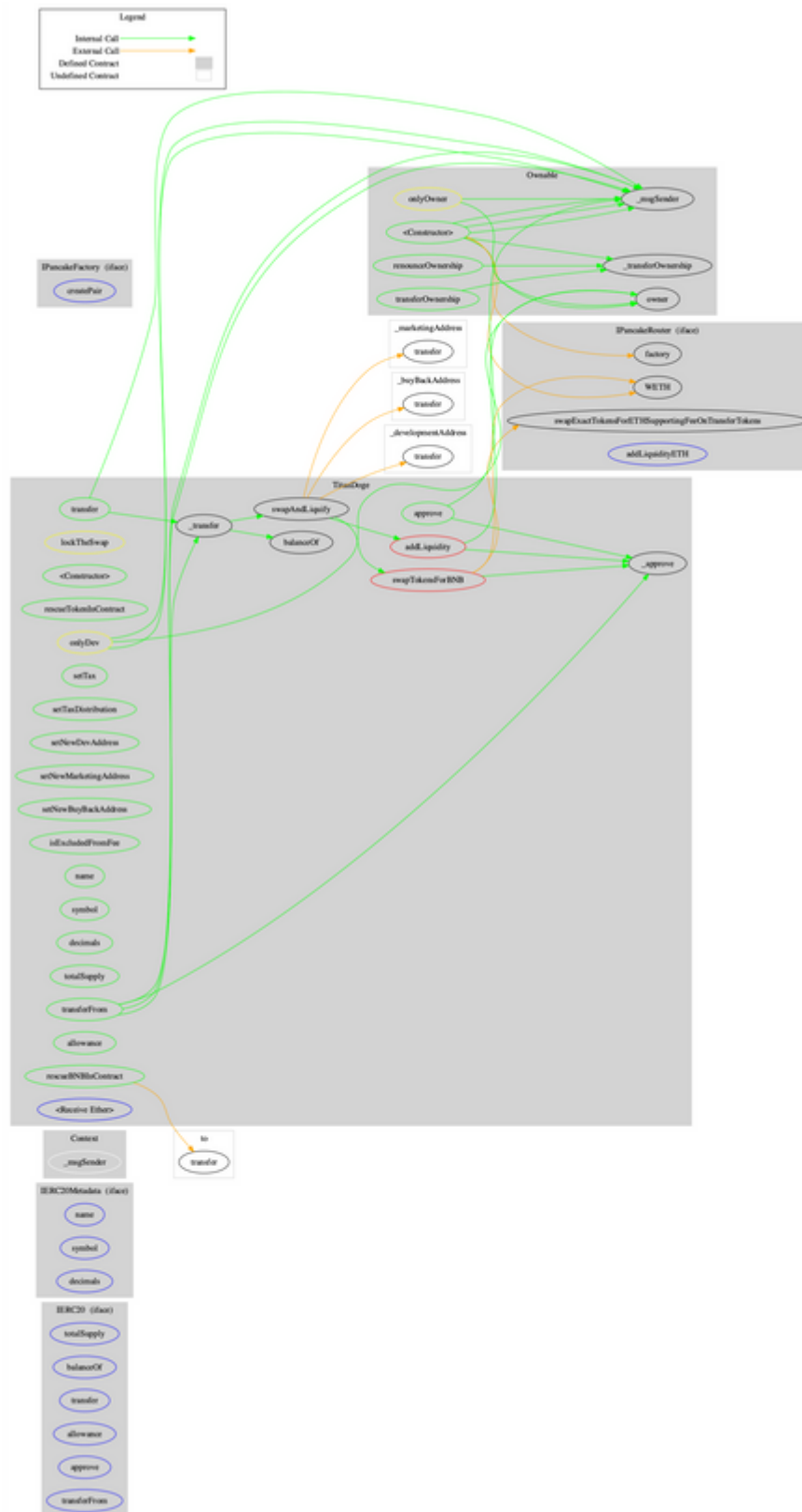
<https://docs.soliditylang.org/en/v0.4.25/style-guide.html#naming-conventions>

Contract Functions

Contract	Type	Bases		
	Function Name	Visibility	Mutability	Modifiers
IERC20	Interface			
	totalSupply	External		-
	balanceOf	External		-
	transfer	External	✓	-
	allowance	External		-
	approve	External	✓	-
	transferFrom	External	✓	-
IERC20Metadata	Interface	IERC20		
	name	External		-
	symbol	External		-
	decimals	External		-
Context	Implementation			
	_msgSender	Internal		
Ownable	Implementation	Context		
	<Constructor>	Public	✓	-
	owner	Public		-
	renounceOwnership	Public	✓	onlyOwner
	transferOwnership	Public	✓	onlyOwner
	_transferOwnership	Internal	✓	
IPancakeFactory	Interface			
	createPair	External	✓	-
IPancakeRouter	Interface			

	WETH	External		-
	factory	External		-
	swapExactTokensForETHSupportingFeeOnTransferTokens	External	✓	-
	addLiquidityETH	External	Payable	-
TitanDoge	Implementation	Context, IERC20, IERC20Metadata, Ownable		
	<Constructor>	Public	✓	-
	rescueTokenInContract	Public	✓	onlyDev
	rescueBNBInContract	Public	✓	onlyDev
	setTax	Public	✓	onlyDev
	setTaxDistribution	Public	✓	onlyDev
	setNewDevAddress	Public	✓	onlyDev
	setNewMarketingAddress	Public	✓	onlyDev
	setNewBuyBackAddress	Public	✓	onlyDev
	isExcludedFromFee	Public		-
	name	Public		-
	symbol	Public		-
	decimals	Public		-
	totalSupply	Public		-
	balanceOf	Public		-
	transfer	Public	✓	-
	allowance	Public		-
	approve	Public	✓	-
	transferFrom	Public	✓	-
	_transfer	Internal	✓	
	_approve	Internal	✓	
	<Receive Ether>	External	Payable	-
	swapTokensForBNB	Private	✓	
	addLiquidity	Private	✓	
	swapAndLiquify	Private	✓	lockTheSwap

Contract Flow



Domain Info

Domain Name	titan-doge.com
Registry Domain ID	2682226450_DOMAIN_COM-VRSN
Creation Date	2022-03-17T03:07:04Z
Updated Date	2022-03-17T03:07:04Z
Registry Expiry Date	2023-03-17T03:07:04Z
Registrar WHOIS Server	whois.godaddy.com
Registrar URL	http://www.godaddy.com
Registrar	GoDaddy.com, LLC
Registrar IANA ID	146

The domain has been created 3 days before the creation of the audit. It will expire in 12 months.

There is no public billing information, the creator is protected by the privacy settings.

Summary

The Smart Contract analysis reported no compiler error or critical issues. The contract Owner can access some admin functions that can not be used in a malicious way to disturb the users' transactions. There is also a limit of max 16% fees both on sale and buys.

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Coinscope audit and K.Y.C. service has been rebranded to Cyberscope.

Coinscope is the leading early coin listing, voting and auditing authority firm. The audit process is analyzing and monitoring many aspects of the project. That way, it gives the community a good sense of security using an informative report and a generic score.

Cyberscope and Coinscope are aiming to make crypto discoverable and efficient globally. They provides all the essential tools to assist users draw their own conclusions.



The Cyberscope team

<https://www.cyberscope.io>