

Audit Report

Jeet Apes

January 2022

Type	BEP20
Network	BSC
Address	0x354cbe7CB75dd3629bD950C89fa851A7cB394BF0
Audited by	© coinscope

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Contract Review

Contract Name	JeetApes
Compiler Version	v0.8.7+commit.e28d00a7
Optimization	999 runs
Licence	Unlicense
Explorer	https://bscscan.com/token/0x354cbe7CB75dd3629bD950C89fa851A7cB394BF0
Symbol	JAC
Decimals	2
Total Supply	1,000,000,000,000
Source	contract.sol
Domain	officialjeetape.com

Audit Updates

Initial Audit	26th January 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

ST - Stop Transactions

Criticality	critical
Location	contract.sol#L486

Description

The contract owner has the authority to stop transactions for all users excluding the owner. The owner may take advantage of it by setting the `tradingOpen` to false.

```
if (!authorizations[sender] && !authorizations[recipient]) {
            require(tradingOpen, "Trading is not enabled");
```

Recommendation

The team should carefully manage the private keys of the owner's account. We strongly recommend a powerful security mechanism that will prevent a single user from accessing the contract admin functions. That risk can be prevented by temporarily locking the contract or renouncing ownership.

BC - Blacklisted Contracts

Criticality	medium
Location	contract.sol#L901

Description

The contract owner has the authority to stop contracts from transactions. The owner may take advantage of it by calling the `setLocks` function.

```
    if (lockingEnabled) {
                require(
                    !isLocked[sender] && !isLocked[recipient],
                    "Wallet is locked"
                );
            }
```

Recommendation

The team should carefully manage the private keys of the owner's account. We strongly recommend a powerful security mechanism that will prevent a single user from accessing the contract admin functions. That risk can be prevented by temporarily locking the contract or renouncing ownership.

Contract Diagnostics

Critical Medium Minor

Severity	Code	Description
	L01	Public Function could be Declared External
	L04	Conformance to Solidity Naming Conventions
	L07	Missing Events Arithmetic

L01 - Public Function could be Declared External

Criticality	minor
Location	contract.sol#L952,L129,L116 and 1 more

Description

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

```
tradingStatus
transferOwnership
unauthorize
...
```

Recommendation

Use the external attribute for functions never called from the contract.

L04 - Conformance to Solidity Naming Conventions

Criticality	minor
Location	contract.sol#L324,L322,L311 and 25 more

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.

```
_feeWallets
_feeTokens
_nftHolderSellFees
...
```

Recommendation

Follow the Solidity naming convention.
https://docs.soliditylang.org/en/v0.4.25/style-guide.html#naming-conventions

L07 - Missing Events Arithmetic

Criticality	minor
Location	contract.sol#L952,L924,L914 and 4 more

Description

Detected missing events for critical arithmetic parameters. There are functions that have no event emitted, so it is difficult to track off-chain changes.

```
deadBlocks = _deadBlocks
targetLiquidity = _target
swapThreshold = _swapThreshold
...
```

Recommendation

Emit an event for critical parameter changes.

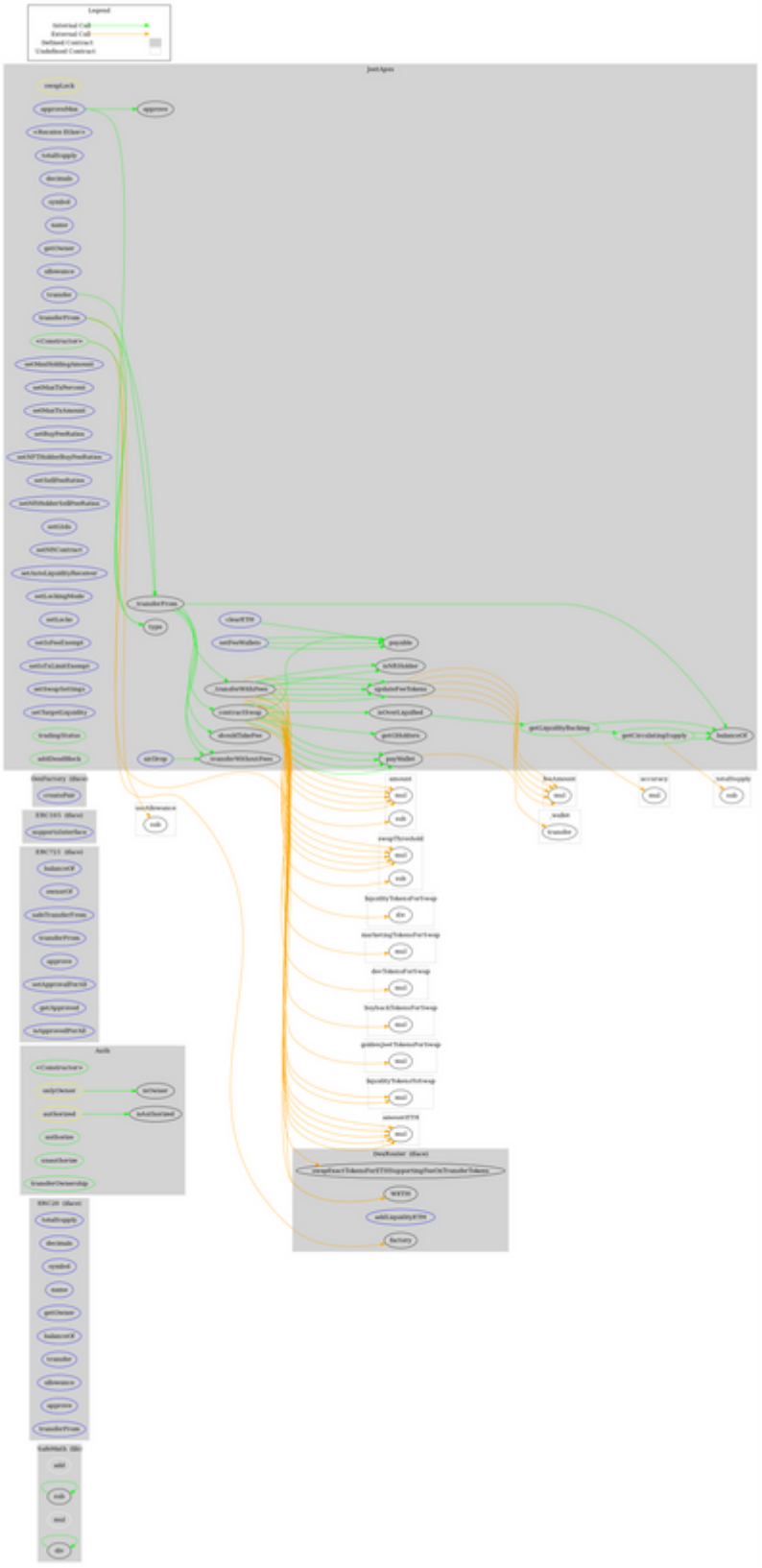
Contract Functions

Contract	Type	Bases		
	Function Name	**Visibility**	**Mutability**	**Modifiers**
SafeMath	Library			
	add	Internal		
	sub	Internal		
	sub	Internal		
	mul	Internal		
	div	Internal		
	div	Internal		
ERC20	Interface			
	totalSupply	External		-
	decimals	External		-
	symbol	External		-
	name	External		-
	getOwner	External		-
	balanceOf	External		-
	transfer	External	✓	-
	allowance	External		-
	approve	External	✓	-
	transferFrom	External	✓	-
Auth	Implementation			
	<Constructor>	Public	✓	-
	authorize	Public	✓	onlyOwner
	unauthorize	Public	✓	onlyOwner
	isOwner	Public		-
	isAuthorized	Public		-
	transferOwnership	Public	✓	onlyOwner
ERC721	Interface			

	balanceOf	External		-
	ownerOf	External		-
	safeTransferFrom	External	Payable	-
	safeTransferFrom	External	Payable	-
	transferFrom	External	Payable	-
	approve	External	Payable	-
	setApprovalForAll	External	✓	-
	getApproved	External		-
	isApprovedForAll	External		-
ERC165	Interface			
	supportsInterface	External		-
DexFactory	Interface			
	createPair	External	✓	-
DexRouter	Interface			
	factory	External		-
	WETH	External		-
	addLiquidityETH	External	Payable	-
	swapExactTokensForETHSupporting FeeOnTransferTokens	External	✓	-
JeetApes	Implementation	ERC20, Auth		
	<Constructor>	Public	✓	Auth
	<Receive Ether>	External	Payable	-
	totalSupply	External		-
	decimals	External		-
	symbol	External		-
	name	External		-
	getOwner	External		-
	balanceOf	Public		-
	allowance	External		-
	approve	Public	✓	-
	approveMax	External	✓	-

	transfer	External	✓	-
	transferFrom	External	✓	-
	_transferFrom	Internal	✓	
	shouldTakeFee	Internal		
	_transferWithoutFees	Internal	✓	
	_transferWithFees	Internal	✓	
	isNftHolder	Internal		
	getGHolders	Internal	✓	
	updateFeeTokens	Internal	✓	
	contractSwap	Internal	✓	swapLock
	payWallet	Internal	✓	
	airDrop	External	✓	onlyOwner
	setMaxHoldingAmount	External	✓	onlyOwner
	setMaxTxPercent	External	✓	onlyOwner
	setMaxTxAmount	External	✓	authorized
	setBuyFeeRatios	External	✓	onlyOwner
	setNFTHolderBuyFeeRatios	External	✓	onlyOwner
	setSellFeeRatios	External	✓	onlyOwner
	setNftHolderSellFeeRatios	External	✓	onlyOwner
	setFeeWallets	External	✓	onlyOwner
	setGIds	External	✓	onlyOwner
	setNftContract	External	✓	onlyOwner
	setAutoLiquidityReceiver	External	✓	onlyOwner
	clearETH	External	✓	authorized
	setLockingMode	External	✓	onlyOwner
	setLocks	External	✓	onlyOwner
	setIsFeeExempt	External	✓	authorized
	setIsTxLimitExempt	External	✓	authorized
	setSwapSettings	External	✓	authorized
	setTargetLiquidity	External	✓	authorized
	getCirculatingSupply	Public		-
	getLiquidityBacking	Public		-
	isOverLiquified	Public		-
	tradingStatus	Public	✓	onlyOwner
	addDeadBlock	Public	✓	onlyOwner

Contract Flow



Domain Info

Domain Name	officialjeetape.com
Registry Domain ID	7320845
Creation Date	2021-12-30T09:39:53Z
Updated Date	2021-12-30T09:39:55Z
Registry Expiry Date	
Registrar WHOIS Server	whois.bluehost.com
Registrar URL	http://www.bluehost.com/
Registrar	FastDomain Inc.
Registrar IANA ID	1154

The domain has been created 27 days before the creation of the audit.

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

Summary

Jeet Apes Token is a meme project that claims to provide unique perks by holding the projects' NFTs. The Project has a friendly and growing community. The Smart Contract analysis reported no compiler errors, but showed 1 critical and 1 medium threat issues. There are some functions that can be abused by the owner, like stopping transactions for everyone except the owner, and blacklisting wallets from selling. The maximum fees percentage that can be set is 25%. A multi-wallet signing pattern will provide security against potential hacks. Temporarily locking the contract or renouncing ownership will eliminate all the contract threats.

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About Coinscope

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.

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



The Coinscope.co team

https://www.coinscope.co