



Audit Report

Meglado

January 2022

Type	BEP20
Network	BSC
Address	0x7b1A6708E3CC658AC76917oAdFf7c40244436C15
Audited by	© coinscope

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Contract Review

Contract Name	MeglaDogeGaming
Compiler Version	v0.8.4+commit.c7e474f2
Optimization	200 runs
Licence	MIT
Explorer	https://bscscan.com/token/0x7b1A6708E3CC658AC76917aAdFf7c40244436C15
Symbol	MGDG
Decimals	18
Total Supply	100,000,000,000
Source	contract.sol
Domain	megladoke-gaming.com

Audit Updates

Initial Audit	31st 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

ULTW - Unlimited Liquidity to Team Wallet

Criticality	minor
Location	contract.sol#L335

Description

The contract owner has the authority to transfer funds without limit to the team wallet. These funds have been swiped from the swap & liquify feature. The owner may take advantage of it by setting the `overLiquifyTreshold` to zero. As a result, the contract will always liquify the taxed amount to the dev's wallet.

```
function isOverLiquified() public view returns(bool){  
    return  
    _balances[_pancakePairAddress]>_circulatingSupply*overLiquifyTreshold/1000;  
}
```

```
uint tokenForLiquidity=  
isOverLiquified()?0  
:(tokenToSwap*liquidityTax)/totalTax;  
  
uint tokenForMarketing= tokenToSwap-tokenForLiquidity;
```

Recommendation

The contract could embody a check for the maximum acceptable value.

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#L493,L451,L439 and 14 more

Description

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

```
balanceOf  
LiquidityRelease  
LockLiquidityForSeconds  
...
```

Recommendation

Use the external attribute for functions never called from the contract

L04 - Conformance to Solidity Naming Conventions

Criticality

minor

Location

contract.sol#L432,L431,L421 and 20 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.

```
LPReleaseLimitedTo20Percent  
_liquidityUnlockTime  
LaunchTimestamp  
...
```

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#L284,L278

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.

```
overLiquifyTreshold = newOverLiquifyTresholdPer mille  
swapTreshold = newSwapTresholdPer mille
```

Recommendation

Emit an event for critical parameter changes.

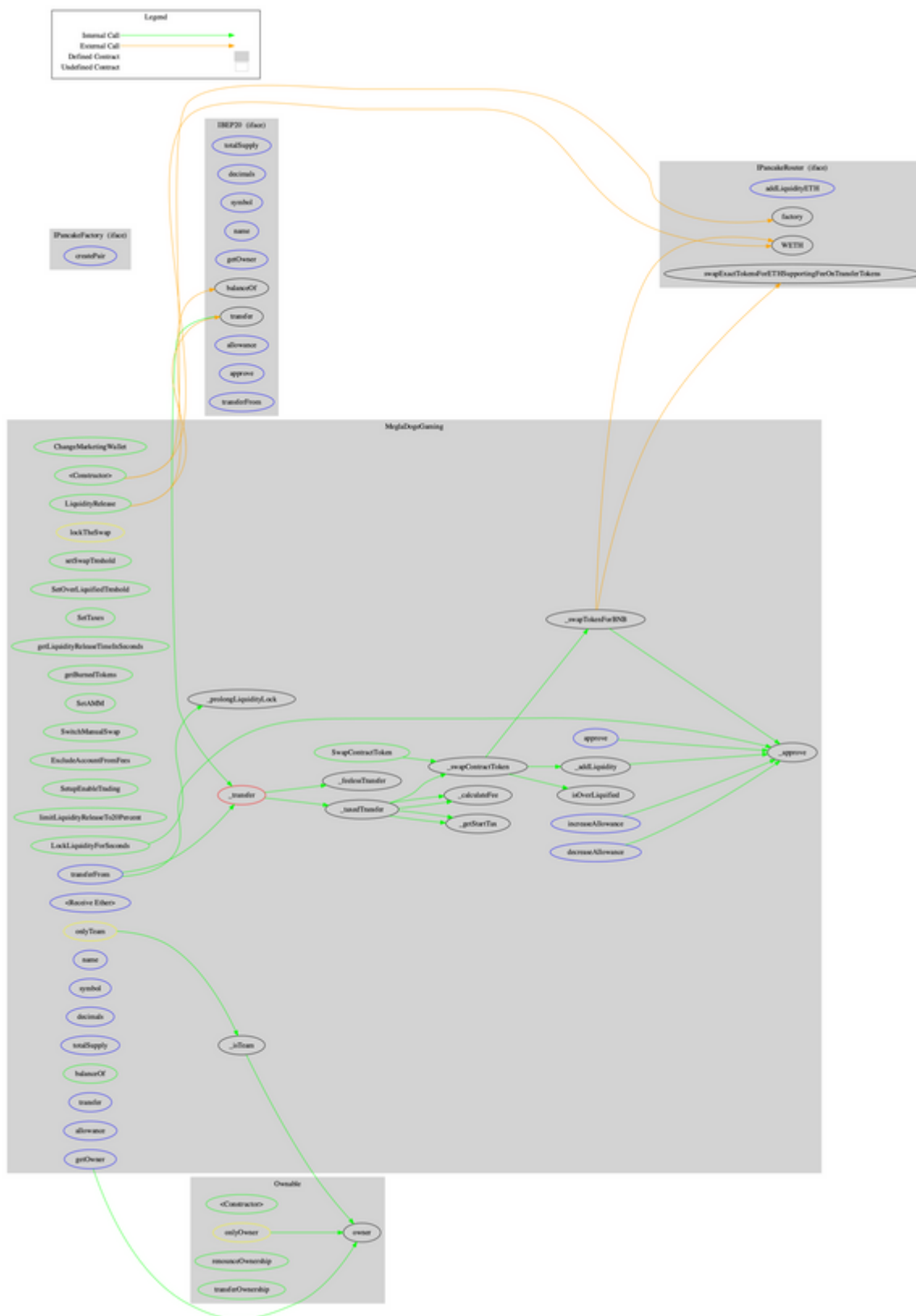
Contract Functions

Contract	Type	Bases		
	Function Name	Visibility	Mutability	Modifiers
IBEP20	Interface			
	totalSupply	External		-
	decimals	External		-
	symbol	External		-
	name	External		-
	getOwner	External		-
	balanceOf	External		-
	transfer	External	✓	-
	allowance	External		-
	approve	External	✓	-
	transferFrom	External	✓	-
IPancakeFactory	Interface			
	createPair	External	✓	-
IPancakeRouter	Interface			
	addLiquidityETH	External	Payable	-
	swapExactTokensForETHSupportingFeeOnTransferTokens	External	✓	-
	factory	External		-
	WETH	External		-
Ownable	Implementation			
	<Constructor>	Public	✓	-
	owner	Public		-
	renounceOwnership	Public	✓	onlyOwner
	transferOwnership	Public	✓	onlyOwner

MeglaDogeGaming	Implementation	IBEP20, Ownable		
	ChangeMarketingWallet	Public	✓	-
	_isTeam	Private		
	<Constructor>	Public	✓	-
	_transfer	Private	✓	
	_taxedTransfer	Private	✓	
	_getStartTax	Private		
	_calculateFee	Private		
	_feelessTransfer	Private	✓	
	setSwapTreshold	Public	✓	onlyTeam
	SetOverLiquifiedTreshold	Public	✓	onlyTeam
	SetTaxes	Public	✓	onlyTeam
	isOverLiquified	Public		-
	_swapContractToken	Private	✓	lockTheSwap
	_swapTokenForBNB	Private	✓	
	_addLiquidity	Private	✓	
	getLiquidityReleaseTimeInSeconds	Public		-
	getBurnedTokens	Public		-
	SetAMM	Public	✓	onlyTeam
	SwitchManualSwap	Public	✓	onlyTeam
	SwapContractToken	Public	✓	onlyTeam
	ExcludeAccountFromFees	Public	✓	onlyTeam
	SetupEnableTrading	Public	✓	onlyTeam
	limitLiquidityReleaseTo20Percent	Public	✓	onlyTeam
	LockLiquidityForSeconds	Public	✓	onlyTeam
	_prolongLiquidityLock	Private	✓	
	LiquidityRelease	Public	✓	onlyTeam
	<Receive Ether>	External	Payable	-
	getOwner	External		-
	name	External		-
	symbol	External		-
	decimals	External		-
	totalSupply	External		-
	balanceOf	Public		-
	transfer	External	✓	-

	allowance	External		-
	approve	External	✓	-
	_approve	Private	✓	
	transferFrom	External	✓	-
	increaseAllowance	External	✓	-
	decreaseAllowance	External	✓	-

Contract Flow



Domain Info

Domain Name	megladoge-gaming.com
Registry Domain ID	2671655208_DOMAIN_COM-VRSN
Creation Date	2022-01-29T13:44:08Z
Updated Date	2022-01-29T14:48:04Z
Registry Expiry Date	
Registrar WHOIS Server	whois.registrar.eu
Registrar URL	http://www.registrar.eu
Registrar	Hosting Concepts B.V. d/b/a Registrar.eu
Registrar IANA ID	1647

The domain has been created 2 days before the creation of the audit.

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

Summary

The Smart Contract analysis reported one minor severity issue. The contract owner may abuse the swap and liquify feature in order to transfer all the liquidity to the dev wallet. Apart from this, 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 20% fees. Users will have a slightly additional tax if they sell during the first 720 minutes after the trading open.

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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>