



Audit Report

Platform Token

December 2021

Type BEP20

Address 0xD61B85636B4a5834C1e8A196DA7218CeBBf76c36

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Table of Contents

Table of Contents	1
Contract Review	2
Audit Updates	2
Contract Analysis	3
MT - Mint Tokens	3
Description	4
Recommendation	4
BC - Blacklisted Contracts	5
Description	5
Recommendation	5
ST - Stop Transactions	6
Description	6
Recommendation	6
Contract Diagnostics	7
Contract Functions	8
Contract Flow	10
Domain Info	11
Summary	12
Update 26 December 2021	12
Disclaimer	13
About Coinscope	14

Contract Review

Contract Name	CoinToken
Compiler Version	v0.4.24+commit.e67f0147
Optimization	200 runs
Licence	None
Explorer	https://bscscan.com/token/0xD61B85636B4a5834C1e8A196DA7218CeBBf76c36
Symbol	PLT
Decimals	18
Total Supply	1,000,000,000,000
Source	contract.sol
Domain	platformtoken.io

Audit Updates

Initial Audit	26th December 2021
Corrected	26th December 2021

Contract Analysis

● Critical
 ● Medium
 ● Pass

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

MT - Mint Tokens

Criticality	critical
Location	https://bscscan.com/address/0xd61b85636b4a5834c1e8a196da7218cebbf76c36#code#L256
Resolved	The contract owner has renounced the ownership. Hence, the mint function cannot be called.

Description

The contract owner has the authority to mint tokens. The owner may take advantage of it by calling the `mint` function. As a result the contract tokens will be highly inflated.

```
function mint(address account, uint256 amount) onlyOwner public {  
  
    totalSupply = totalSupply.add(amount);  
    balances[account] = balances[account].add(amount);  
    emit Mint(address(0), account, amount);  
    emit Transfer(address(0), account, amount);  
}
```

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	https://bscscan.com/address/0xd61b85636b4a5834c1e8a196da7218cebbf76c36#code#L220
Resolved	The contract owner has renounced the ownership. Hence, addresses cannot be blacklisted.

Description

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

```
function blackListAddress(address listAddress, bool isBlackListed) public  
whenNotPaused onlyOwner returns (bool success) {  
    return super._blackList(listAddress, isBlackListed);  
}
```

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.

ST - Stop Transactions

Criticality	medium
Location	https://bscscan.com/address/0xd61b85636b4a5834c1e8a196da7218cebbf76c36#code#L1
Resolved	The contract owner has renounced the ownership. Hence, transactions cannot be stopped.

Description

The contract owner has the authority to pause transactions. He can do that by calling the `pause` function.

```
function transfer(address _to, uint256 _value) public whenNotPaused returns (bool) {  
    return super.transfer(_to, _value);  
}
```

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

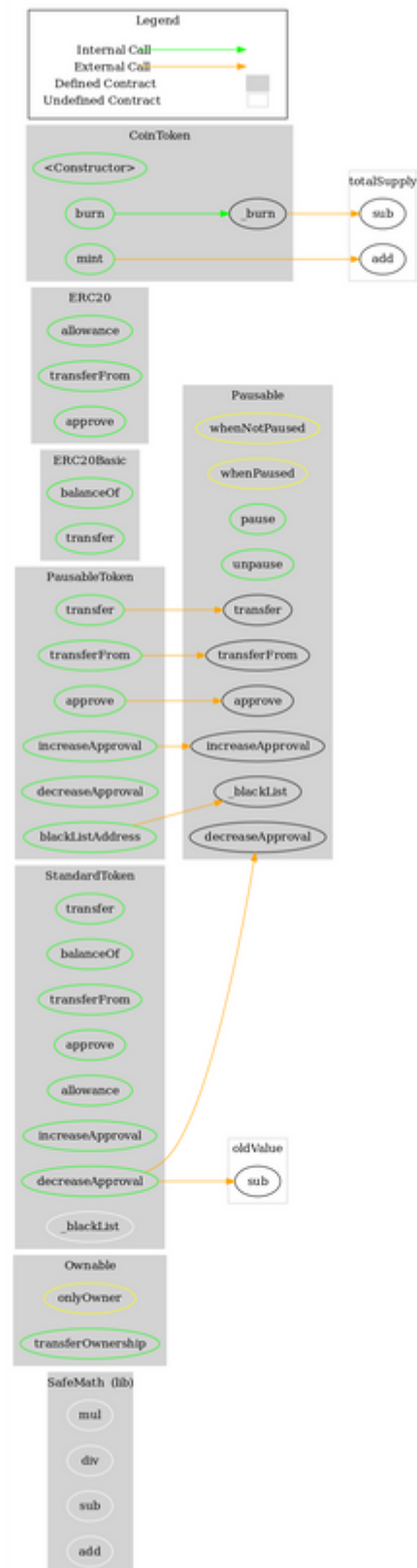
Pass	Name
✓	Integer Underflow
✓	Parity Multisig Bug
✓	Callstack Depth Attack
✓	Transaction-Ordering Dependency
✓	Timestamp Dependency
✓	Re-Entrancy

Contract Functions

Contract	Type	Bases		
	Function Name	Visibility	Mutability	Modifiers
SafeMath	Library			
	mul	Internal		
	div	Internal		
	sub	Internal		
	add	Internal		
Ownable	Implementation			
	transferOwnership	Public	✓	onlyOwner
Pausable	Implementation	Ownable		
	pause	Public	✓	onlyOwner whenNotPaused
	unpause	Public	✓	onlyOwner whenPaused
ERC20Basic	Implementation			
	balanceOf	Public		-
	transfer	Public	✓	-
ERC20	Implementation	ERC20Basic		
	allowance	Public		-
	transferFrom	Public	✓	-
	approve	Public	✓	-
StandardToken	Implementation	ERC20		
	transfer	Public	✓	-
	balanceOf	Public		-

	transferFrom	Public	✓	-
	approve	Public	✓	-
	allowance	Public		-
	increaseApproval	Public	✓	-
	decreaseApproval	Public	✓	-
	_blackList	Internal	✓	
PausableToken	Implementation	StandardToken, Pausable		
	transfer	Public	✓	whenNotPaused
	transferFrom	Public	✓	whenNotPaused
	approve	Public	✓	whenNotPaused
	increaseApproval	Public	✓	whenNotPaused
	decreaseApproval	Public	✓	whenNotPaused
	blackListAddress	Public	✓	whenNotPaused onlyOwner
CoinToken	Implementation	PausableToken		
	<Constructor>	Public	✓	-
	burn	Public	✓	-
	_burn	Internal	✓	
	mint	Public	✓	onlyOwner

Contract Flow



Domain Info

Domain Name	platformtoken.io
Registry Domain ID	9782c8aa1ad94765b56a1d49ba6a58a8-DONUTS
Creation Date	2021-11-17T19:53:28Z
Updated Date	2021-12-06T18:08:04Z
Registry Expiry Date	2022-11-17T19:53:28Z
Registrar WHOIS Server	whois.godaddy.com/
Registrar URL	http://www.godaddy.com/domains/search.aspx?ci=8990
Registrar	GoDaddy.com, LLC
Registrar IANA ID	146

The domain was created about 1 month before the creation of the audit. It will expire in 11 months.

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

Summary

PLATFORM token is a decentralised Automated Market Maker (AMM) based on the BSC. The token has a friendly and growing community. There are some functions that can be abused by the owner, like minting new tokens and blacklisting addresses. As an Automated Market Maker, the mint function might be needed but there should be some business logic to protect the users from potential hacks or abuse by the team. A multi-wallet signing pattern will provide security against potential hacks. Temporarily locking the contract or renouncing ownership will eliminate all the contract threats.

Update 26 December 2021

The contract owner has renounced the ownership. Hence, there are no functions that can be abused. The contract has no issues after the renouncement.

Disclaimer

All the content provided in this document is for general information only and should not be used as financial advice or a reason to buy any investment.

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Always Do your own research and protect yourselves from scams. This document should not be presented as a reason to buy or not buy any particular token.

The Coinscope team disclaims any liability for the resulting losses.

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>