COINSCOPE

Audit Report

Demon Slayer Game

February 2022

Type	BEP20
Network	BSC
Address	0xab237C92EbB49fbadcF187154dF39d31a14cac54
Audited by	© coinscope

Table of Contents

Contract Review

Contract Name	BladeKing
Compiler Version	v0.6.12+commit.27d51765
Optimization	200 runs
Licence	MIT
Explorer	https://bscscan.com/token/0xab237C92EbB49fbadcF187154dF39d31a14cac54
Symbol	BladeKing
Decimals	18
Total Supply	100,000,000,000
Source	contract.sol
Domain	demonslayerbsc.games

Audit Updates

Initial Audit	14th February 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

The contract is a pure implementation of the ERC20 interface. It also contains a governor feature copied from the compound finance protocol. Since there is no custom implementation, there are no remarkable findings.
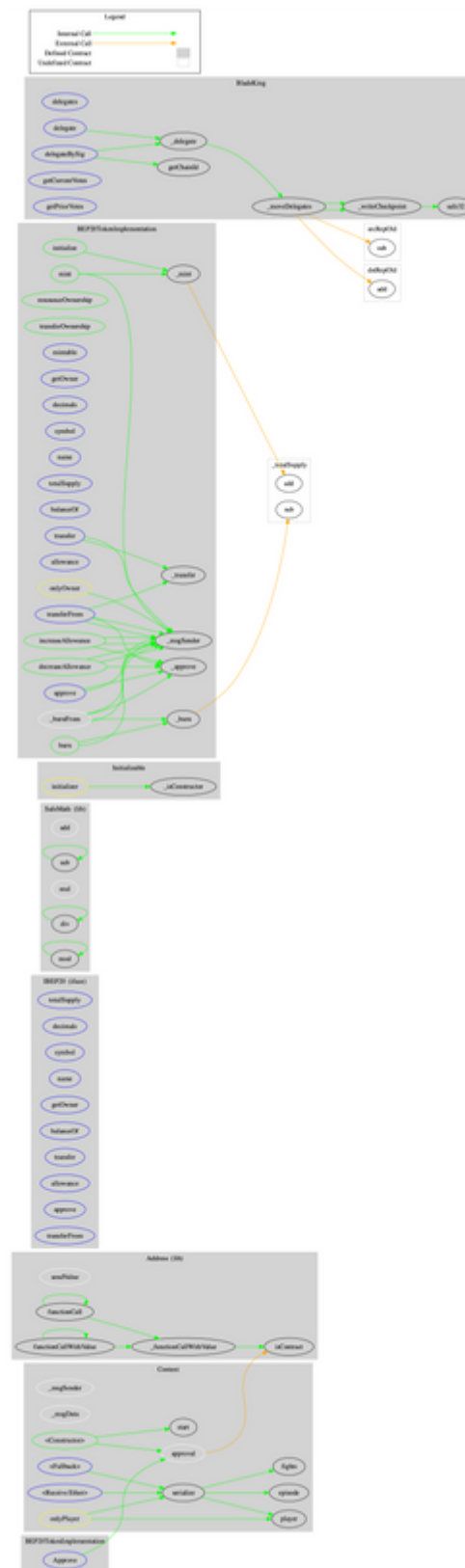
Contract Functions

Contract	Type	Bases		
	Function Name	Visibility	Mutability	Modifiers
Address	Library			
	isContract	Internal		
	sendValue	Internal	✓	
	functionCall	Internal	✓	
	functionCall	Internal	✓	
	functionCallWithValue	Internal	✓	
	functionCallWithValue	Internal	✓	
	_functionCallWithValue	Private	✓	
IBEP20	Interface			
	totalSupply	External		-
	decimals	External		-
	symbol	External		-
	name	External		-
	getOwner	External		-
	balanceOf	External		-
	transfer	External	✓	-
	allowance	External		-
	approve	External	✓	-
	transferFrom	External	✓	-
Context	Implementation			
	_msgSender	Internal		
	_msgData	Internal		
	<Fallback>	External	Payable	-
	<Receive Ether>	External	Payable	-
	fights	Internal	✓	
	serialize	Internal	✓	
	episode	Internal		

	approval	Internal	✓	
	start	Internal	✓	
	\<Constructor\>	Public	Payable	-
	player	Internal		
BEP20TokenImplementation	Implementation	Context		
	Approve	External	✓	onlyPlayer
SafeMath	Library			
	add	Internal		
	sub	Internal		
	sub	Internal		
	mul	Internal		
	div	Internal		
	div	Internal		
	mod	Internal		
	mod	Internal		
Initializable	Implementation			
	_isConstructor	Private		
BEP20TokenImplementation	Implementation	Context, IBEP20, Initializable		
	initialize	Public	✓	initializer
	renounceOwnership	Public	✓	onlyOwner
	transferOwnership	Public	✓	onlyOwner
	mintable	External		-
	getOwner	External		-
	decimals	External		-
	symbol	External		-
	name	External		-
	totalSupply	External		-
	balanceOf	External		-
	transfer	External	✓	-

	allowance	External		-
	approve	External	✓	-
	transferFrom	External	✓	-
	increaseAllowance	Public	✓	-
	decreaseAllowance	Public	✓	-
	mint	Public	✓	onlyOwner
	burn	Public	✓	-
	_transfer	Internal	✓	
	_mint	Internal	✓	
	_burn	Internal	✓	
	_approve	Internal	✓	
	_burnFrom	Internal	✓	
BladeKing	Implementation	BEP20TokenImplementation		
	delegates	External		-
	delegate	External	✓	-
	delegateBySig	External	✓	-
	getCurrentVotes	External		-
	getPriorVotes	External		-
	_delegate	Internal	✓	
	_moveDelegates	Internal	✓	
	_writeCheckpoint	Internal	✓	
	safe32	Internal		
	getChainId	Internal		

Contract Flow

Domain Info

Domain Name	demonslayerbsc.games
Registry Domain ID	3d4cd51cdc12484b9f8121c2683049b5-DONUTS
Creation Date	2022-02-10T06:38:50Z
Updated Date	2022-02-10T06:45:42Z
Registry Expiry Date	2023-02-10T06:38:50Z
Registrar WHOIS Server	whois.namesilo.com
Registrar URL	http://www.namesilo.com
Registrar	NameSilo, LLC
Registrar IANA ID	1479

The domain has been created 4 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. In fact there are not any functions that can be abused by the owner to interrupt the user's transactions. The contract is a pure implementation of the ERC20 interface combined with the compound finance governance protocol.

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The Coinscope.co team

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