Cyberscope

Audit Report
Slaone

June 2022

Table of Contents

Contract Review

Contract Name	SLO
Compiler Version	v0.8.7+commit.e28d00a7
Optimization	200 runs
Licence	None
Explorer	https://bscscan.com/token/0x2dbc6ffe9c47e4eeb4662059bcee7043beffa0a3
Symbol	SLO
Decimals	18
Total Supply	10,000,000,000
Domain	slaone.com

Source Files

Filename	SHA256
BEP20.sol	36af1bf1971808c950788fd01e3809f384332d1a831641a3e0f8fd62230194fb
BEP20Detailed.sol	e9075996c3560f2607b8c2af7fdadd3172a4d100a93856eff2f350d64c23e190
BEPContext.sol	365dfec5dab662f369923aa27950dce681c20bd5eb74e2020a8c775df8450bf1
BEPOwnable.sol	195e71a92a844951fa48d39758069989ee3259b067f917de220024002acf7587
IBEP20.sol	15e595496b6268faf1a7b92f3107a9cbcdfbb54e092fc8634597a5b6c9635224

SafeMath.sol	c6337888a0819d44219a7828c96df4b5b7116bb5e750 8ab079238948e3cd7b40
SLO.sol	2adfee865905d7265e6ba57c7f52cad93b0684d8263c9 9191eb86ea9e6b8766f

Audit Updates

Initial Audit	17th June 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

BC - Blacklisted Contracts

Criticality	medium
Location	SLO.sol#L84

Description

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

```
require(!isBlacklist[sender],"User blacklisted");
```

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
●	L04	Conformance to Solidity Naming Conventions
●	L11	Unnecessary Boolean equality

L04 - Conformance to Solidity Naming Conventions

Criticality	minor
Location	SLO.sol#L22,23,24,25,26,27,41,46,51,56,61,75

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.

```
_status
_address
_transferTax
_buyTax
_sellTax
_marketingPool
_lpAddress
_tradeCooldown
_wallet
...
```

Recommendation

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

L11 - Unnecessary Boolean equality

Criticality	minor
Location	SLO.sol#L82

Description

The comparison to boolean constants is redundant. Boolean constants can be used directly and do not need to be compared to true or false.

```
liquidityPool[sender] == true
liquidityPool[receiver] == true
```

Recommendation

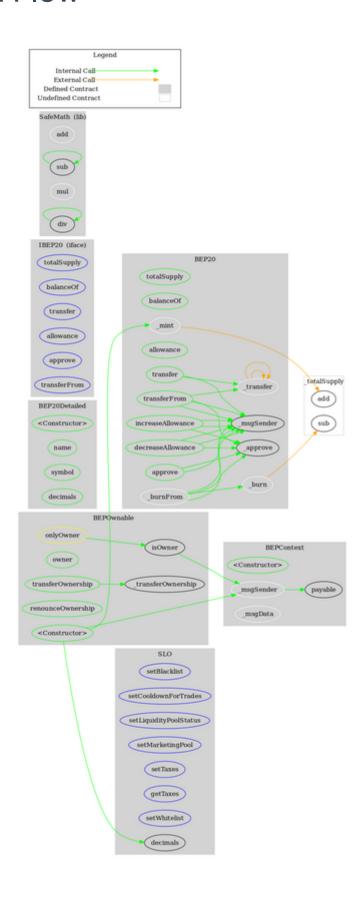Remove the equality to the boolean constant.

Contract Functions

Contract	Type	Bases		
	Function Name	**Visibility**	**Mutability**	**Modifiers**
BEP20	Implementation	BEPContext, IBEP20, BEPOwnable		
	totalSupply	Public		-
	balanceOf	Public		-
	transfer	Public	✓	-
	allowance	Public		-
	approve	Public	✓	-
	transferFrom	Public	✓	-
	increaseAllowance	Public	✓	-
	decreaseAllowance	Public	✓	-
	_transfer	Internal	✓	
	_mint	Internal	✓	
	_burn	Internal	✓	
	_approve	Internal	✓	
	_burnFrom	Internal	✓	
BEP20Detailed	Implementation			
	<Constructor>	Public	✓	-
	name	Public		-
	symbol	Public		-
	decimals	Public		-
BEPContext	Implementation			
	<Constructor>	Public	✓	-
	_msgSender	Internal		
	_msgData	Internal		
BEPOwnable	Implementation	BEPContext		

	<Constructor>	Public	✓	-
	owner	Public		-
	isOwner	Public		-
	renounceOwnership	Public	✓	onlyOwner
	transferOwnership	Public	✓	onlyOwner
	_transferOwnership	Internal	✓	
IBEP20	Interface			
	totalSupply	External		-
	balanceOf	External		-
	transfer	External	✓	-
	allowance	External		-
	approve	External	✓	-
	transferFrom	External	✓	-
SafeMath	Library			
	add	Internal		
	sub	Internal		
	sub	Internal		
	mul	Internal		
	div	Internal		
	div	Internal		
SLO	Implementation	BEP20Detailed, BEP20		
	<Constructor>	Public	✓	BEP20Detailed
	setBlacklist	External	✓	onlyOwner
	setCooldownForTrades	External	✓	onlyOwner
	setLiquidityPoolStatus	External	✓	onlyOwner
	setMarketingPool	External	✓	onlyOwner
	setTaxes	External	✓	onlyOwner
	getTaxes	External		-
	setWhitelist	External	✓	onlyOwner
	_transfer	Internal	✓	

Contract Flow

Domain Info

Domain Name	slaone.com
Registry Domain ID	2703720799_DOMAIN_COM-VRSN
Creation Date	2022-06-14T12:09:28Z
Updated Date	2022-06-14T12:09:28Z
Registry Expiry Date	2023-06-14T12:09:28Z
Registrar WHOIS Server	grs-whois.aliyun.com
Registrar URL	http://www.alibabacloud.com
Registrar	ALIBABA.COM SINGAPORE E-COMMERCE PRIVATE LIMITED
Registrar IANA ID	3775

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 one medium severity issue. The contract owner has the authority to blacklist addresses. A multi-wallet signing pattern will provide security against potential hacks. Temporarily locking the contract or renouncing ownership will eliminate all the contract threats. There is also a limit of max 9% fees.

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

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

The Cyberscope team

https://www.cyberscope.io