Audit Report

Metasplit

February 2022

Type	ERC20 (ERC777)
Network	ETH
Address	0xe44Edab312E27398bE7eFc08B7AC07D19B6EA382
Audited by	© coinscope

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Contract Review

Contract Name	SplitToken
Compiler Version	v0.8.4+commit.c7e474f2
Optimization	200 runs
Licence	Unknown
Explorer	https://etherscan.io/token/0xe44Edab312E27398bE7eFc08B7AC07D19B6EA382
Symbol	SPLIT
Decimals	18
Total Supply	20,000,000
Source	contract.sol
Domain	metasplit.io

Audit Updates

Initial Audit	17th 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 implements the EIP-777 standard that it is an improved version of the ERC-20 standard. The contract does not contain any functionality or feature further than the typical implementation of the EIP-777 interface. Hence, there are no special 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	✓	
	functionStaticCall	Internal		
	functionStaticCall	Internal		
	functionDelegateCall	Internal	✓	
	functionDelegateCall	Internal	✓	
	verifyCallResult	Internal		
Context	Implementation			
	_msgSender	Internal		
	_msgData	Internal		
IERC1820Registry	Interface			
	setManager	External	✓	-
	getManager	External		-
	setInterfaceImplementer	External	✓	-
	getInterfaceImplementer	External		-
	interfaceHash	External		-
	updateERC165Cache	External	✓	-
	implementsERC165Interface	External		-
	implementsERC165InterfaceNoCache	External		-
IERC20	Interface			

	totalSupply	External		-
	balanceOf	External		-
	transfer	External	✓	-
	allowance	External		-
	approve	External	✓	-
	transferFrom	External	✓	-
IERC777	Interface			
	name	External		-
	symbol	External		-
	granularity	External		-
	totalSupply	External		-
	balanceOf	External		-
	send	External	✓	-
	burn	External	✓	-
	isOperatorFor	External		-
	authorizeOperator	External	✓	-
	revokeOperator	External	✓	-
	defaultOperators	External		-
	operatorSend	External	✓	-
	operatorBurn	External	✓	-
IERC777Recipient	Interface			
	tokensReceived	External	✓	-
IERC777Sender	Interface			
	tokensToSend	External	✓	-
Ownable	Implementation	Context		
	<Constructor>	Public	✓	-
	owner	Public		-
	renounceOwnership	Public	✓	onlyOwner
	transferOwnership	Public	✓	onlyOwner
	_transferOwnership	Internal	✓	

ERC777	Implementation	Context, IERC777, IERC20		
	\<Constructor\>	Public	✓	-
	name	Public		-
	symbol	Public		-
	decimals	Public		-
	granularity	Public		-
	totalSupply	Public		-
	balanceOf	Public		-
	send	Public	✓	-
	transfer	Public	✓	-
	burn	Public	✓	-
	isOperatorFor	Public		-
	authorizeOperator	Public	✓	-
	revokeOperator	Public	✓	-
	defaultOperators	Public		-
	operatorSend	Public	✓	-
	operatorBurn	Public	✓	-
	allowance	Public		-
	approve	Public	✓	-
	transferFrom	Public	✓	-
	_mint	Internal	✓	
	_mint	Internal	✓	
	_send	Internal	✓	
	_burn	Internal	✓	
	_move	Private	✓	
	_approve	Internal	✓	
	_callTokensToSend	Private	✓	
	_callTokensReceived	Private	✓	
	_beforeTokenTransfer	Internal	✓	
SplitToken	Implementation	ERC777, Ownable		
	\<Constructor\>	Public	✓	ERC777

Contract Flow

Domain Info

Domain Name	metasplit.io
Registry Domain ID	17bb8dd1aceb46d9ad74295e6aaa8419-DONUTS
Creation Date	2022-01-18T18:55:19Z
Updated Date	2022-01-23T18:55:35Z
Registry Expiry Date	2025-01-18T18:55:19Z
Registrar WHOIS Server	http://whois.cloudflare.com
Registrar URL	http://cloudflare.com
Registrar	Cloudflare, Inc
Registrar IANA ID	1910

The domain has been created 30 days before the creation of the audit. It will expire in almost 3 years.

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.

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