Cyberscope

Audit Report

Three Protocol

April 2024

Analysis

| | ● Critical | ● Medium | ● Minor / Informative | ● Pass |

Severity	Code	Description	Status
●	ST	Stops Transactions	Passed
●	OTUT	Transfers User's Tokens	Passed
●	ELFM	Exceeds Fees Limit	Passed
●	MT	Mints Tokens	Passed
●	BT	Burns Tokens	Passed
●	BC	Blacklists Addresses	Passed

Table of Contents

Review

Contract Name	ThreeProtocolToken
Compiler Version	v0.8.20+commit.a1b79de6
Optimization	200 runs
Explorer	https://testnet.bscscan.com/address/0x9cb699a69ebe91529ce042c2230208e99170bac0
Address	0x9cb699a69ebe91529ce042c2230208e99170bac0
Network	BSC_TESTNET
Symbol	$THREE
Decimals	18
Total Supply	100,000,000
Badge Eligibility	Yes

Audit Updates

Initial Audit	23 Apr 2024

Source Files

Filename	SHA256
contracts/ThreeProtocolToken.sol	7704e085c6e75835d12cf5d59ea5653b2af3de9338e9fceb3b33667a617f381c
@openzeppelin/contracts/utils/Context.sol	b2cfee351bcafd0f8f27c72d76c054df9b571b62cfac4781ed12c86354e2a56c
@openzeppelin/contracts/token/ERC20/IERC20.sol	7ebde70853ccafcf1876900dad458f46eb9444d591d39bfc58e952e2582f5587
@openzeppelin/contracts/token/ERC20/ERC20.sol	d20d52b4be98738b8aa52b5bb0f88943f62128969b33d654fbca731539a7fe0a
@openzeppelin/contracts/token/ERC20/extensions/IERC20Metadata.sol	af5c8a77965cc82c33b7ff844deb9826166689e55dc037a7f2f790d057811990
@openzeppelin/contracts/token/ERC20/extensions/ERC20Burnable.sol	0344809a1044e11ece2401b4f7288f414ea41fa9d1dad24143c84b737c9fc02e
@openzeppelin/contracts/access/Ownable.sol	a8e4e1ae19d9bd3e8b0a6d46577eec098c01fbaffd3ec1252fd20d799e73393b

Findings Breakdown

Severity	Unresolved	Acknowledged	Resolved	Other
🔴 Critical	0	0	0	0
🟡 Medium	0	0	0	0
⚪ Minor / Informative	0	0	0	0

Functions Analysis

| Contract	Type	Bases		
	Function Name	Visibility	Mutability	Modifiers
IUniswapV2Factory	Interface			
	createPair	External	✓	-
	getPair	External		-
IUniswapV2Router01	Interface			
	factory	External		-
	WETH	External		-
	addLiquidity	External	✓	-
	addLiquidityETH	External	Payable	-
	removeLiquidity	External	✓	-
	removeLiquidityETH	External	✓	-
	removeLiquidityETHWithPermit	External	✓	-
	swapExactTokensForTokens	External	✓	-
	swapExactETHForTokens	External	Payable	-
	swapExactTokensForETH	External	✓	-
IUniswapV2Router02	Interface	IUniswapV2Router01		

	swapExactTokensForTokensSupporting FeeOnTransferTokens	External	✓	-
	swapExactTokensForETHSupportingFee OnTransferTokens	External	✓	-
ThreeProtocolT oken	Implementation	ERC20Burna ble, Ownable		
		Public	✓	ERC20
		External	Payable	-
	setSwapTokensAtAmount	External	✓	onlyOwner
	toggleSwapEnabled	External	✓	onlyOwner
	excludeFromFees	External	✓	onlyOwner
	includeInFees	External	✓	onlyOwner
	excludeMultipleAccountsFromFees	External	✓	onlyOwner
	setBuyFee	External	✓	onlyOwner
	setSellFee	External	✓	onlyOwner
	setMarketingWallet	External	✓	onlyOwner
	setMaxTxAmount	External	✓	onlyOwner
	_setAutomatedMarketMakerPair	Private	✓	
	isExcludedFromFees	Public		-
	_transfer	Internal	✓	
	swap	Private	✓	lockTheSwap
	swapTokensForEth	Private	✓	

Inheritance Graph
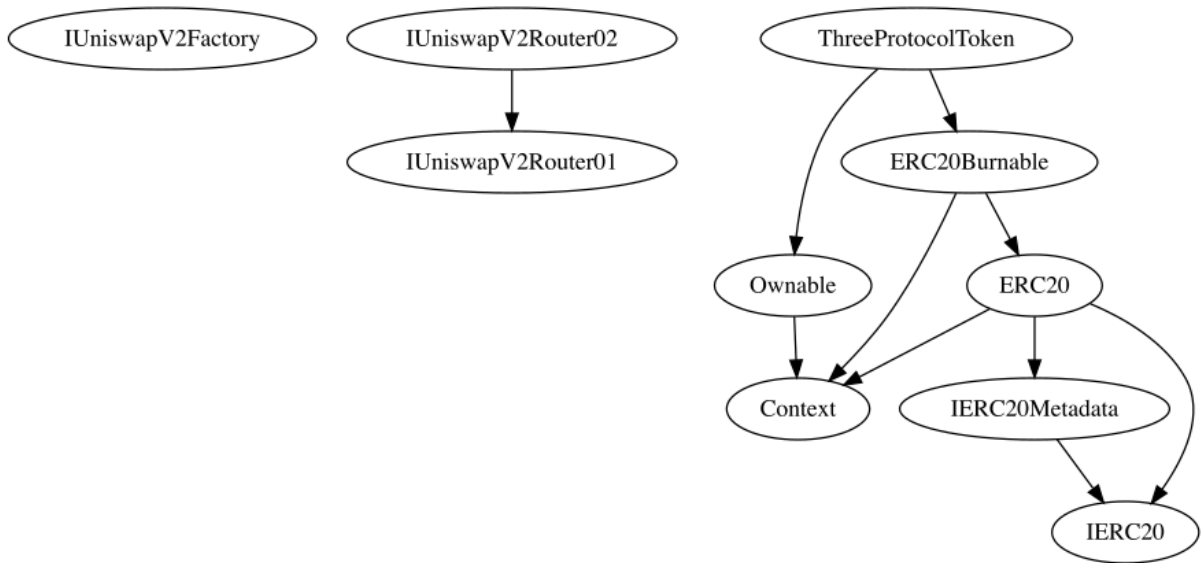
Flow Graph
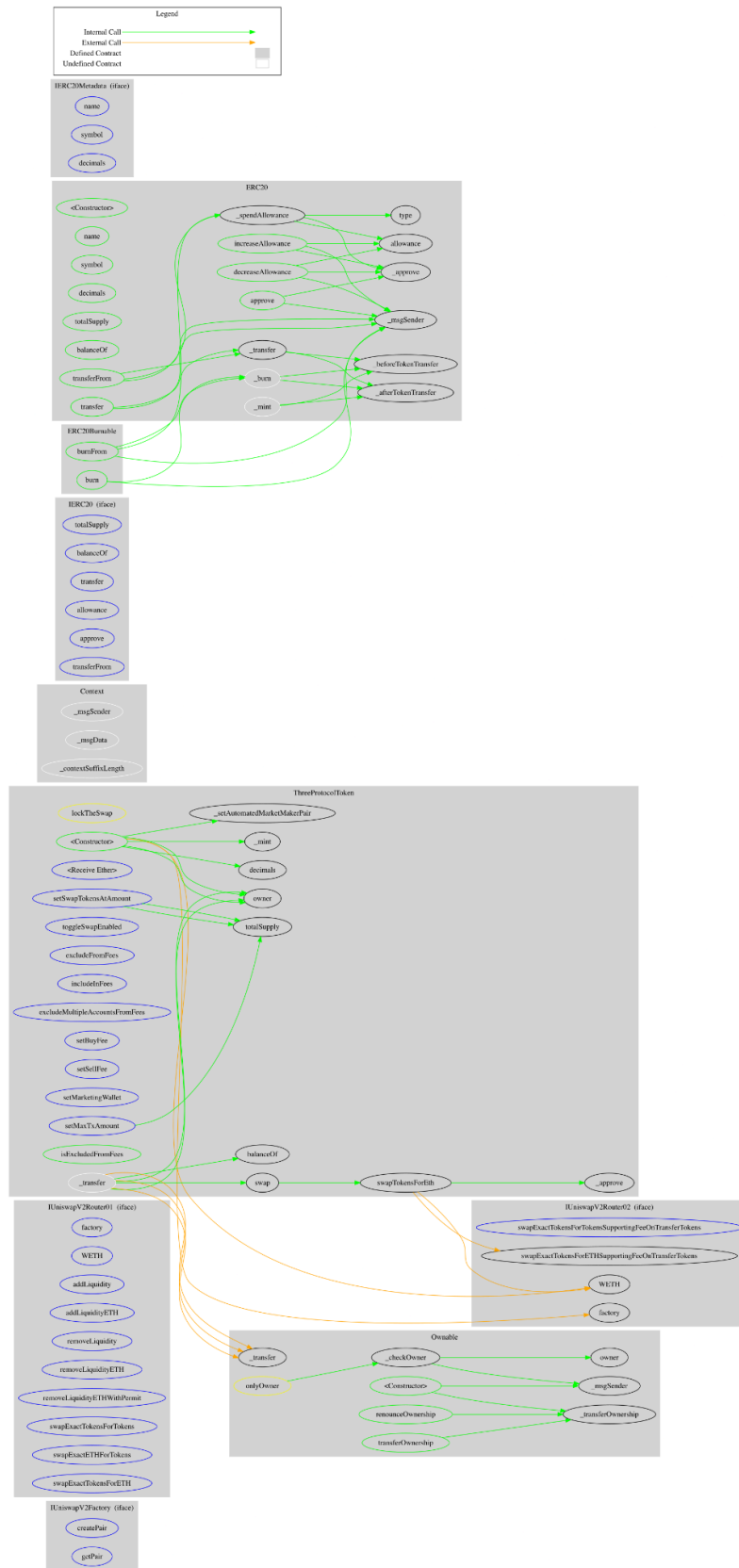
Summary

Three Protocol contract implements a token mechanism. This audit investigates security issues, business logic concerns, and potential improvements. Three Protocol is an interesting project that has a friendly and growing community. The Smart Contract analysis reported no compiler errors or critical issues. 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 25% buy and sell fees.

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About Cyberscope

Cyberscope is a blockchain cybersecurity company that was founded with the vision to make web3.0 a safer place for investors and developers. Since its launch, it has worked with thousands of projects and is estimated to have secured tens of millions of investors' funds.

Cyberscope is one of the leading smart contract audit firms in the crypto space and has built a high-profile network of clients and partners.

The Cyberscope team

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