

XTREMCOIN

Smart Contract Review

Deliverable: Smart Contract Audit Report

Security Report

November 2021

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Report Summary

Title	Xtremcoin Smart Contract Audit		
Project Owner	Xtremcoin		
Туре	Public		
Reviewed by	Vatsal Raychura	Revision date	19/11/2021
Approved by	eNebula Solutions Private Limited	Approval date	19/11/2021
		Nº Pages	29

Overview

Background

Xtremcoin's team requested that eNebula Solutions perform an Extensive Smart Contract audit.

Project Dates

The following is the project schedule for this review and report:

- **November 19**: Smart Contract Review Completed (Completed)
- November 19: Delivery of Smart Contract Audit Report (Completed)

Review Team

The following eNebula Solutions team member participated in this review:

- Sejal Barad, Security Researcher and Engineer
- Vatsal Raychura, Security Researcher and Engineer

Coverage

Target Specification and Revision

For this audit, we performed research, investigation, and review of the smart contract of Xtremcoin.

The following documentation repositories were considered in-scope for the review:

 Xtremcoin Project: https://bscscan.com/address/0x5ecfcced226ba9fccd8663e7b3263cbd8c84edb5#c
 ode

Introduction

Given the opportunity to review Xtremcoin Project's smart contract source code, we in the report outline our systematic approach to evaluate potential security issues in the smart contract implementation, expose possible semantic inconsistencies between smart contract code and design document, and provide additional suggestions or recommendations for improvement. Our results show that the given version of smart contracts is ready to launch after resolving the mentioned issues, there are no critical or high issues found related to business logic, security or performance.

About Xtremcoin: -

Item	Description	
Issuer	Xtremcoin	
Platform	Solidity	
Type	BEP20	
Audit Method	Whitebox	
Latest Audit Report	November 19, 2021	

The Test Method Information: -

Test method	Description
Black box testing	Conduct security tests from an attacker's perspective externally.
Grey box testing	Conduct security testing on code modules through the scripting tool, observing the internal running status, mining weaknesses.
White box testing	Based on the open-source code, non-open-source code, to detect whether there are vulnerabilities in programs such as nodes, SDK, etc.

The vulnerability severity level information:

Level	Description	
Critical	Critical severity vulnerabilities will have a significant effect on the	
	security of the DeFi project, and it is strongly recommended to fix the	
	critical vulnerabilities.	
High	High severity vulnerabilities will affect the normal operation of the DeFi	
	project. It is strongly recommended to fix high-risk vulnerabilities.	
Medium	Medium severity vulnerability will affect the operation of the DeFi	
	project. It is recommended to fix medium-risk vulnerabilities.	
Low	Low severity vulnerabilities may affect the operation of the DeFi project	
	in certain scenarios. It is suggested that the project party should	
	evaluate and consider whether these vulnerabilities need to be fixed.	
Weakness	There are safety risks theoretically, but it is extremely difficult to	
	reproduce in engineering.	

The Full List of Check Items:

Category	Check Item	
	Constructor Mismatch	
	Ownership Takeover	
	Redundant Fallback Function	
	Overflows & Underflows	
	Reentrancy	
	MONEY-Giving Bug	
Pacia Cadina Puga	Blackhole	
Basic Coding Bugs	Unauthorized Self-Destruct	
	Revert DoS	
	Unchecked External Call	
	Gasless Send	
	Send Instead of Transfer	
	Costly Loop	
	(Unsafe) Use of Untrusted Libraries	
	(Unsafe) Use of Predictable Variables	
	Transaction Ordering Dependence	
	Deprecated Uses	
Semantic Consistency Checks	Semantic Consistency Checks	
	Business Logics Review	

	Functionality Checks	
	Authentication Management	
	Access Control & Authorization	
Advanced DoFi Comutinu	Oracle Security	
Advanced DeFi Scrutiny	Digital Asset Escrow	
	Kill-Switch Mechanism	
	Operation Trails & Event Generation	
	ERC20 Idiosyncrasies Handling	
	Frontend-Contract Integration	
	Deployment Consistency	
	Holistic Risk Management	
	Avoiding Use of Variadic Byte Array	
	Using Fixed Compiler Version	
Additional Recommendations	Making Visibility Level Explicit	
	Making Type Inference Explicit	
	Adhering To Function Declaration	
	Strictly	
	Following Other Best Practices	

Common Weakness Enumeration (CWE) Classifications Used in This Audit:

Category	Summary
Configuration	Weaknesses in this category are typically introduced during the configuration of the software.
Data Processing Issues	Weaknesses in this category are typically found in functionality that processes data.
Numeric Errors	Weaknesses in this category are related to improper calculation or conversion of numbers.
Security Features	Weaknesses in this category are concerned with topics like authentication, access control, confidentiality, cryptography, and privilege management. (Software security is not security software.)
Time and State	Weaknesses in this category are related to the improper management of time and state in an environment that supports simultaneous or near-simultaneous computation by multiple systems, processes, or threads.
Error Conditions, Return Values, Status Codes	Weaknesses in this category include weaknesses that occur if a function does not generate the correct return/status code, or if the application does not handle all possible return/status codes that could be generated by a function.
Resource Management	Weaknesses in this category are related to improper management of system resources.

Behavioral Issues	Weaknesses in this category are related to unexpected behaviors from code that an application uses.		
Business Logics	Weaknesses in this category identify some of the underlying problems that commonly allow attackers to manipulate the business logic of an application. Errors in business logic can be devastating to an entire application.		
Initialization and Cleanup	Weaknesses in this category occur in behaviors that are used for initialization and breakdown.		
Arguments and Parameters	Weaknesses in this category are related to improper use arguments or parameters within function calls.		
Expression Issues	Weaknesses in this category are related to incorrectly written expressions within code.		
Coding Practices	Weaknesses in this category are related to coding practices that are deemed unsafe and increase the chances that an ex pilotable vulnerability will be present in the application. They may not directly introduce a vulnerability, but indicate the product has not been carefully developed or maintained.		

Findings

Summary

Here is a summary of our findings after analyzing the Xtremcoin's Smart Contract. During the first phase of our audit, we studied the smart contract source code and ran our in-house static code analyzer through the Specific tool. The purpose here is to statically identify known coding bugs, and then manually verify (reject or confirm) issues reported by tool. We further manually review business logics, examine system operations, and place DeFi-related aspects under scrutiny to uncover possible pitfalls and/or bugs.

Severity	No. of Issues
Critical	0
High	0
Medium	0
Low	0
Total	0

We have so far identified that there are potential issues with severity of **0 Critical**, **0 High**, **0 Medium**, **and 0 Low**. Overall, these smart contracts are well- designed and engineered.

Functional Overview

(\$) = payable function	[Pub] public
# = non-constant function	[Ext] external
	[Prv] private
	[Int] internal

- + [Int] IBEP20
 - [Ext] totalSupply
 - [Ext] balanceOf
 - [Ext] transfer #
 - [Ext] allowance
 - [Ext] approve #
 - [Ext] transferFrom #
- + [Lib] SafeMath
 - [Int] tryAdd
 - [Int] trySub
 - [Int] tryMul
 - [Int] tryDiv
 - [Int] tryMod
 - [Int] add
 - [Int] sub
 - [Int] mul
 - [Int] div
 - [Int] mod
 - [Int] sub
 - [Int] div
 - [Int] mod



- [Ext] createPair # - [Ext] setFeeTo # - [Ext] setFeeToSetter # + [Int] IUniswapV2Pair - [Ext] name - [Ext] symbol - [Ext] decimals - [Ext] totalSupply - [Ext] balanceOf - [Ext] allowance - [Ext] approve # - [Ext] transfer # - [Ext] transferFrom # - [Ext] DOMAIN_SEPARATOR - [Ext] PERMIT_TYPEHASH - [Ext] nonces - [Ext] permit # - [Ext] MINIMUM_LIQUIDITY - [Ext] factory - [Ext] token0 - [Ext] token1 - [Ext] getReserves - [Ext] price0CumulativeLast - [Ext] price1CumulativeLast - [Ext] kLast - [Ext] mint # - [Ext] burn # - [Ext] swap # - [Ext] skim # - [Ext] sync #

- [Ext] initialize # + [Int] IUniswapV2Router01 - [Ext] factory - [Ext] WETH - [Ext] addLiquidity # - [Ext] addLiquidityETH (\$) - [Ext] removeLiquidity # - [Ext] removeLiquidityETH # - [Ext] removeLiquidityWithPermit # - [Ext] removeLiquidityETHWithPermit # - [Ext] swapExactTokensForTokens # - [Ext] swapTokensForExactTokens # - [Ext] swapExactETHForTokens (\$) - [Ext] swapTokensForExactETH # - [Ext] swapExactTokensForETH # - [Ext] swapETHForExactTokens (\$) - [Ext] quote - [Ext] getAmountOut - [Ext] getAmountIn - [Ext] getAmountsOut - [Ext] getAmountsIn + [Int] IUniswapV2Router02 (IUniswapV2Router01) - [Ext] removeLiquidityETHSupportingFeeOnTransferTokens # - [Ext] removeLiquidityETHWithPermitSupportingFeeOnTransferTokens # - [Ext] swapExactTokensForTokensSupportingFeeOnTransferTokens # - [Ext] swapExactETHForTokensSupportingFeeOnTransferTokens (\$) - [Ext] swapExactTokensForETHSupportingFeeOnTransferTokens #

+ Xtremcoin (Context, IBEP20, Ownable)

- [Pub] <Constructor> # - [Pub] isBot - [Pub] name - [Pub] symbol - [Pub] decimals - [Pub] totalSupply - [Pub] balanceOf - [Pub] transfer # - [Pub] allowance - [Pub] approve # - [Pub] transferFrom # - [Ext] addBotToBlackList # - modifiers: onlyOwner - [Ext] removeBotFromBlackList # - modifiers: onlyOwner - [Pub] increaseAllowance # - [Pub] decreaseAllowance # - [Pub] isExcludedFromReward - [Pub] totalFees - [Pub] deliver # - [Pub] reflectionFromToken - [Pub] tokenFromReflection - [Pub] excludeFromReward # - modifiers: onlyOwner - [Ext] includeInReward # - modifiers: onlyOwner - [Prv] _transferBothExcluded # - [Pub] excludeFromFee # - modifiers: onlyOwner

- [Pub] includeInFee #

- modifiers: onlyOwner

- [Ext] setTaxFeePercent #
- modifiers: onlyOwner
- [Ext] setCharityFeePercent #
 - modifiers: onlyOwner
- [Ext] setCharityAddress #
 - modifiers: onlyOwner
- [Ext] setLiquidityFeePercent #
 - modifiers: onlyOwner
- [Ext] setMaxTxPercent #
 - modifiers: onlyOwner
- [Pub] setSwapAndLiquifyEnabled #
 - modifiers: onlyOwner
- [Ext] <Fallback> (\$)
- [Prv] _reflectFee #
- [Prv] _getValues
- [Prv] _getTValues
- [Prv] _getRValues
- [Prv] _getRate
- [Prv] _getCurrentSupply
- [Prv] _takeLiquidity #
- [Prv] _takeCharity #
- [Prv] calculateTaxFee
- [Prv] calculateCharityFee
- [Prv] calculateLiquidityFee
- [Prv] removeAllFee #
- [Prv] restoreAllFee #
- [Pub] isExcludedFromFee
- [Prv] _approve #
- [Prv] _transfer #
- [Prv] swapAndLiquify #
 - modifiers: lockTheSwap

- [Prv] swapTokensForEth #
- [Prv] addLiquidity #
- [Prv] _tokenTransfer #
- [Prv] _transferStandard #
- [Prv] _transferToExcluded #
- [Prv] _transferFromExcluded #
- [Pub] burn #
- [Int] _burn #
- [Pub] mint #
 - modifiers: onlyOwner
- [Int] _beforeTokenTransfer #

Detailed Results

Issues Checking Status

As there are no security vulnerabilities, business logic issues or coding bugs found in first phase of these smart contracts, there are no detailed results to show.

Automated Tools Results

Slither: -

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### Attention of the content of the
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scoln.setTaxFeePercent(uint256) (Xtrescoln New.sol#1616-1618) should exit an event for
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#missing-events-arithmetic
 Xtremcoln.setCharityAddress(address).charityAdd (Xtremcoln New.sol#1924) lacks a gero-check on :
 charityWalletAddress = charityAdd (xtremceln New.sol#1825)
Reference: https://github.com/crytic/silther/eiki/Detector-DocumentationWalssing-zero-address-validation
                        swapAndLiquify(contractTokonBalance) (Xtrencoln_New.sol#1191)
- uniswapV2Router.addLiquidityETH(value: ethAnount)(address(this),tokenAnount,0,0,owner(),block.timestamp) (Xtrencoln_New.sol#1252-125
                                            uniswapV2Router.swapExectTokensforETHSupportingFeeOnTransferTokens(tokenAmount,0.path.address(this).block.timestamp) (%trencoin_New.
 ot#1238-1244)
                   -1244)
External calls sending eth:
External calls sending eth:
- swapAndLiquify(contractTokenBalance) (Xtrancoin_New.sol#1191)
- swapAndLiquify(contractTokenBalance) (Xtrancoin_New.sol#1252-125
- uniswapV2Router.addLiquid(tyETH[value: ethAnount)(address(this),tokenAnount,6,8,swner(),block.timestamp) (Xtrancoin_New.sol#1252-125
- uniswapV2Router.addLiquid(tyETH[value: ethAnount)(address(this),tokenAnount,6,8,swner(),block.timestamp) (Xtrancoin_New.sol#1252-125
                 State variables written after the call(s):

_ Tokenfransfer(from.to.anount.tokefee) (Xtrencoin_New.sol#1203)
_ Charityfee = previousCharityfee (Xtrencoin_New.sol#1139)
_ Charityfee = 0 (Xtrencoin_New.sol#1133)
_ tokenfransfer(from.to.anount.tokefee) (Xtrencoin_New.sol#1203)
_ liquidityfee = previousLiquidityfee (Xtrencoin_New.sol#1140)
_ liquidityfee = 0 (Xtrencoin_New.sol#1134)
_ tokenfransfer(from.to.anount.tokefee) (Xtrencoin_New.sol#1203)
_ previousLiquidityfee = charityfee (Xtrencoin_New.sol#1203)
_ previousLiquidityfee = Liquidityfee (Xtrencoin_New.sol#1203)
_ previousLiquidityfee = Liquidityfee (Xtrencoin_New.sol#1203)
_ tokenfransfer(from.to.anount.tokefee) (Xtrencoin_New.sol#1203)
_ tokenfransfer(from.to.anount.tokefee) (Xtrencoin_New.sol#1203)
_ teefoldal = _tfcefoldal.add(tfce) (Xtrencoin_New.sol#1203)
_ taxfee = previousTaxfee (Xtrencoin_New.sol#1303)
_ taxfee = previousTaxfee (Xtrencoin_New.sol#1303)
_ taxfee = 0 (Xtrencoin_New.sol#130)
 External calls:
- uniswapt/2Part = luniswapt/2Router_factory()).createPair(address(this),_uniswapt/2Router.WETH()) (Xtrencoin_New.sol#842-843)
State variables written after the call(s):
- blackListedBoots.push(address(extFf4cBeA64dde987a53dd396c773dc6eu2585ab8)) (Xtrencoin_New.sol#856)
- isSilackListedBootaddress(extFf4cBeA64dde987a53dd396c773dc6eu2585ab8)) = true (Xtrencoin_New.sol#855)
- isSilackListedBootaddress(extFf4cBeA64dde987a53dd396c773dc6eu2585ab8)) = true (Xtrencoin_New.sol#855)
- isSilackListedBootaddress(extFf4cBeA64dde987a5dd398c773dc6eu2585ab8)) = true (Xtrencoin_New.sol#855)
- isSilackListedBootaddress(extFf4cBeA64dd5987a5dd398c773dc6eu2585ab8)) = true (Xtrencoin_New.sol#848)
- isSilackListedBootaddress(extFf4cBeA64dd5987a5ab8) = true (Xtrencoin_New.sol#848)
- isSilackListedBootaddress(extFf4cBeA64dd5987a5ab8)
- isSilackListedBootaddress(extFf4cBeA64dd5987a5ab8)
- isSilackListedBootaddess(extFf4cBeA64dd5987a5ab8)
- isSilackL
                    External calls
                          addL(quid(ty(otherMalf,newBalance) (ktrencoln_new.sol#1224)
- umlswapPZRouter.addL(quid(tyETH(value: ethAnount)(address(this),tokenAnount,0,0,owner(),block.timestamp) (ktrencoln_new.sol#1252-125
                   External calls sending eth:
- additiquidity(utherHalf,newBalance) (Xtrencoin_New.sol#1224)
- additiquidity(utherHalf,newBalance) (Xtrencoin_New.sol#1224)
- uniswapVZRouter.additiquidityETH[value: ethArount](address(this),tokenArount,0,0,owner(),block.tinestamp) (Xtrencoin_New.sol#1252-125
- uniswapVZRouter.additiquidityETH[value: ethArount](address(this),tokenArount,0,0,owner(),block.tinestamp) (Xtrencoin_New.sol#1252-125
 faternal calls:
- _transfer(sender,reciplent,amount) (Xtrencoin_New.sol#964)
- uniswapV2Router.addLiquidityETH(value: ethAmount)(address(this),tokenAmount,0,0,owner(),block.timestamp) (Xtrencoin_New.sol#1252-125

    uniswap/ZRouter.swapExactTokensForETHSupportingFeeOnTransferTokens(tokenAnount,0.path,address(this),block.timestamp) (Xtrencoin New

                         _transfer(sender;rectplant;amount) (Xtrencoln_New.spl#984)
- uniswapV2Router.addLiquidityETH[value: ethanount)(address(this),tokenamount,0,0,owner(),block.timestamp) (Xtrencoln_New.sal#1252-125
                    State variables written after the call(s):
- approve(sender, msgSender(), allowances[sender][ msgSender()].sub(amount,BEPZ0: transfer amount exceeds allowance)) (Xtrencotn_New.sol#985)
 allowances[owner][spender] = amount (Xtremcoln_hew.sol#1151)
Reference: https://github.com/crytic/slither/wikl/Detector-Documentation#reentrancy-volmerabilities-Z
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External calls:
                         ternas Levis,
swapAndLtquffy(contractTokenSalance) (Xtrencoln_New.sol#1193)
- uniswapV2Nouter additquidityETH[value: ethAnount](address(this),tokenAnount,8,o.owner(),block.timestamp) (Xtrencoln_New.sol#1252-125
                                            uniswapV2Bouter.swapExactTokensForETHSupportingFeeOnTransferTokens(tokenAnount.0.path.address(this),block.timestamp) (Xtrencoin_New
                   -[]:40]
External calls sending eth:
External calls sending eth:
- swapAndLiquify(contractTokenBalance) (Xtrencoin_New.sol#][9]
- swapAndLiquify(contractTokenBalance) (Xtrencoin_New.sol#][9]
- uniswapVZRouter.addLiquidityETH(value: ethAnount)(address(this),tokenAnount,0,0,owner(),block.timestamp) (Xtrencoin_New.sol#][9]
- uniswapVZRouter.addLiquidityETH(value: ethAnount)(address(this),tokenAnount,0,0,owner(),block.timestamp) (Xtrencoin_New.sol#][9]
                  Event enitted after the cell(s):
- Transfer(zender,rectptent,tTransferAncunt) (Xtrenceln New.solE1298)
- tokenTransfer(from,to,anount,takefee) (Xtrenceln_New.solE1203)
- Transfer(sender,rectptent,tTransferAncunt) (Xtrenceln_New.solE1312)
_ tokenTransfer(from,to,anount,takefee) (Xtrenceln_New.solE1203)
- uniswapV2Pair = IUoiswapV2Pactory(_uoiswapV2Router.factory()).createPair(address(this),_uniswapV2Router.MtTH()) (%tremcoin_New.sol#842-843)
Event enitted after the call(s):
- Transfer(address(9),owner()__tTotal) (%tremcoin_New.sol#852)
Heentrancy in %tremcoin_swapAndLiquify(uint256) (%tremcoin_New.sol#8206-1227):
                   cy in Activations
External calls:
swapTokensForEth(helf) (Xtrencoln_New.sulW1218)
swapTokensForEth(helf) (Xtrencoln_New.sulW1218)
uniswapVZRouter.swapExactTokensForETHSupportingFeeOnTransferTokens(tokenAnount,6,path,address(this),block:timestamp) (Xtrencoln_New.
                        addLiquidity(otherHalf, newBalance) (Xtrencoln New.col#1224)
- unlswapV2Router.addLiquidityETn[value: ethAnount](address(this),tokenAnount,0,0,owner(),block.t(mestamp) (Xtrencoln_New.sol#1252-125
                  External calls sending oth:
- addLiquidity(otherHalf,sewBalance) (Xtrencoin_New.sol#3224)
- uniswapV2Router.addLiquidityETH(value: ethAnount)(address(this),tokenAnount,0,0,owner(),block.timestamp) (Xtrencoin_New.sol#3252-125
- uniswapV2Router.addLiquidityETH(value: ethAnount)(address(this),tokenAnount,0,0,owner(),block.timestamp) (Xtrencoin_New.sol#3252-125
                       went entired arter the coling;
Approval(owner,spender,#mount) (Xtremcoln_New.sol#1152)
addLiquidity(otherHalf,newBalance) (Xtremcoln_New.sol#1224)
SwapAndLiquify(half,newBalance,otherHalf) (Xtremcoln_New.sol#1226)
 leentrancy in Xirencoin.transferFrom(address,address,vint256) (Xirencoin_New.sol#986-987):
                        _transfer(sender,recipient,amount) (Xtrencoln New.sol#1044)
- uniswapV2Router.addLiquidityETH(value: ethAmount)(address(this),tokenAmount,0.0,maner(),block.timestamp) (Xtrencoln_New.sol#1252-125
                                           uniswapVZBouter.swapExactTokensForETHSupportingFeeOnTransferTokens(tokenAnount,O.path,address(this),block.timestamp) (Xtrencoin New
                   External calls mending eth:

- _transfer(sender,recipient,amount) (Xtremcoin_how.sol#884)

- uniswapv28outer.addLiquidityETM(value: ethAmount)(address(this),tokenAmount,8,8,owner(),block.timestamp) (Xtremcoin_New.sol#1252-125

- uniswapv28outer.addLiquidityETM(value: ethAmount)(address(this),tokenAmount,8,8,owner(),block.timestamp) (Xtremcoin_New.sol#1252-125
                        Approval(owner,spender,amount) (Xtrencoin New.col#1152)
-_approve(sender,_msgSender(),_allowances[sender][_msgSender()].sub(amount,BEP28: transfer amount exceeds allowance)) (Xtrencoin_New.
 Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#reentrancy-vulnerabilities-3
 ddress.isContract(address) (Xtrencoln_New.tol#344-353) uses assembly
Address, verifyCallResult(bool,bytes,string) (Xtrencoin New.sol#485-506) is never used and should be removed 
Address.FunctionCall(address,bytes) (Xtrencoin New.sol#397-399) is never used and should be removed 
Address.FunctionCallWithValue(address,bytes,uint256) (Xtrencoin New.sol#487-409) is never used and should be removed 
Address.FunctionCallWithValue(address,bytes,uint256) (Xtrencoin New.sol#427-424) is never used and should be removed
Address functionCallWithValue(address, bytes, uint256) (Xtremcoin New solMa22-424) is never used and should be removed Address functionCallWithValue(address, bytes, uint256, string) (Xtremcoin New solMa32-439) is never used and should be removed Address functionCallWithValue(address, bytes) (Xtremcoin New solMa32-439) is never used and should be removed Address functionCallWithValue(address, bytes, string) (Xtremcoin New solMa32-439) is never used and should be removed Address functionStaticCall(address, bytes, string) (Xtremcoin New solMa32-463) is never used and should be removed Address functionStaticCall(address, bytes, string) (Xtremcoin New solMa32-463) is never used and should be removed Address sendvalue(address, vint256) (Xtremcoin New solMa32-377) is never used and should be removed Context asgOata() (Xtremcoin New solMa32-377) is never used and should be removed SafeWath div(uint256, uint256, string) (Xtremcoin New solMa32-277) is never used and should be removed SafeWath div(uint256, uint256) (Xtremcoin New solMa32-234) is never used and should be removed SafeWath div(uint256, uint256, xtring) (Xtremcoin New solMa32-234) is never used and should be removed SafeWath trySid(uint256, uint256) (Xtremcoin New solMa33-109) is never used and should be removed SafeWath trySid(uint256, uint256) (Xtremcoin New solMa33-109) is never used and should be removed SafeWath tryMod(uint256, uint256) (Xtremcoin New solMa35-156) is never used and should be removed SafeWath tryMod(uint256, uint256) (Xtremcoin New solMa35-156) is never used and should be removed SafeWath tryMod(uint256, uint256) (Xtremcoin New solMa35-156) is never used and should be removed SafeWath tryMod(uint256, uint256) (Xtremcoin New solMa35-156) is never used and should be removed SafeWath tryMod(uint256, uint256) (Xtremcoin New solMa35-156) is never used and should be removed SafeWath tryMod(uint256, uint256) (Xtremcoin New solMa35-156) is never used and should be removed SafeWath tryMod(uint256, uint256) (Xtremcoin New solMa35-156) is never used
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    - (MAX = (MAX % tYotal))
    - (MAX & (MAX * (MA
                                                               previoustharityFem (Xtrencoin_New.sol#905) is set pre-construction with a non-constant function or state variable:
Xtrencoln_previousLiquidityFee (Xtrencoln_New.sol#888) is set pre-construction with a non-constant function or state variable:
__isquidityFee
 Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#function-initializing-state
 Pragma version8.8.4 (Xtrencoln_New.sol#11) necessitates a version too recent to be trusted. Consider deploying with 8.6.12/6.7.6
  iole-8,8,4 is not recommended for deployment
Deference: https://github.com/crytlc/slither/wiki/Detector-Documentation#incorrect-versions-of-solidity
Function IUniawapV2Pair.DOMAIN_StPARAIDR() (Xtrencoin_New.sol#805) is not in mixedcase
Function IUniawapV2Pair.PERMIT TYPEHASH() (Xtrencoin_New.sol#805) is not in mixedcase
Function_IUniawapV2Pair.PERMIT TYPEHASH() (Xtrencoin_New.sol#802) is not in mixedcase
Function_IUniawapV2Pair.PINNHULLIQUIDITY() (Xtrencoin_New.sol#802) is not in mixedcase
Function_IUniawapV2Pair.PINNHULLIQUIDITY() (Xtrencoin_New.sol#802) is not in mixedcase
Parameter Xtrencoin_calculaterTasfee(uint250)__anount (Xtrencoin_New.sol#103) is not in mixedcase
Parameter Xtrencoin_calculaterLiquidityFee(uint250)_anount (Xtrencoin_New.sol#1013) is not in mixedcase
Parameter Xtrencoin_calculaterLiquidityFee(uint250)_anount (Xtrencoin_New.sol#1013) is not in mixedcase
Parameter Xtrencoin_calculaterLiquidityFee(uint250)_anount (Xtrencoin_New.sol#1013) is not in mixedcase
Variable Xtrencoin_charityFee (Xtrencoin_New.sol#801) is not in mixedcase
Variable Xtrencoin_towariulidityFee (Xtrencoin_New.sol#801) is not in mixedcase
Variable Xtrencoin_liquidityFee (Xtrencoin_New.sol#801) is not in mixedcase
Variable Xtrencoin_charityFee (Xtrencoin_New.sol#801) is not in mixedcase
Variable Xtrencoin_naxivAnount (Xtrencoin_New.sol#801) is not in mixedcase
Reference: https://github.com/crytic/silther/wibi/Detector-bocumentationscanforwance-to-solidity-naming-c
    leference: https://github.com/crytic/slither/wiki/Detector-Documentation#conformance-to-solidity-naming-conventions
    edundant expression "this (Xtremcoln_bew.sul#318)" inContext (Xtremcoln_New.sul#312-321)
 Variable 1Uniswapv2Mouter61.addLiquidity(address,address,uint256,uint256,uint256,address,uint256).amountAbestred (Xtrencoin New.sol#647) is to sinilar to 1Uniswapv2Mouter61.addLiquidity(address,uint256,uint256,uint256,uint256,uint256).amountBoestred (Xtrencoin New.sol#648) variable Xtrencoin.getWalusgis(uint256,uint256,uint256,uint256,uint256,uint256).amountBoestred (Xtrencoin New.sol#648) variable Xtrencoin.getWalusgis(uint256).transferAmount (Xtrencoin New.sol#1365) variable Xtrencoin.getWalusgis(uint256).transferAmount (Xtrencoin New.sol#1385) variable Xtrencoin.getWalusgis(uint256).transferAmount (Xtrencoin New.sol#1385) variable Xtrencoin.getWalusgis(uint256,uint256,uint256,uint256).rtransferAmount (Xtrencoin New.sol#1870) is too similar to Xtrencoin.getWalusgis(uint256).transferAmount (Xtrencoin New.sol#1870) is too similar to Xtrencoin.getWalusgis(uint256,uint256).transferAmount (Xtrencoin New.sol#1870) is too similar to Xtrencoin.getWalusgis(uint256,uint256,uint256).transferAmount (Xtrencoin New.sol#1870) is too similar to Xtrencoin.getWalusgis(uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint256,uint2
 Variable Xtrencoln.reflectionFronToken(uint256,bool).fransferAndunt (Xtrencoln_New.sol#364) is too similar to Xtrencoln_transferFronExcluded(address,address.uint256).transferAndunt (Xtrencoln_New.sol#1385)
variable Xtrencoln.transferButhexcluded(address.address.uint256).fransferAndunt (Xtrencoln_New.sol#1284) is too similar to Xtrencoln_transferStandard(a
ddress.uint256).transferButhExcluded(address.address.uint256).fransferAndunt (Xtrencoln_New.sol#997) (s too similar to Xtrencoln.transferToExclu
ded(address.address.uint256).transferAndunt (Xtrencoln_New.sol#997) (s too similar to Xtrencoln.transferToExclu
ded(address.address.uint256).transferAndunt (Xtrencoln_New.sol#997) (s too similar to Xtrencoln.transferToExcluded(address.address.uint256).rransferAndunt (Xtrencoln_New.sol#1294) is too similar to Xtrencoln.transferToExcluded(address.address.address.uint256).transferAndunt (Xtrencoln_new.sol#1294) is too similar to Xtrencoln.transferToExcluded(address.address.uint256).transferAndunt (Xtrencoln_new.sol#1870) is too similar to Xtrencoln_transferToExcluded(address.address.uint256).transferAndunt (Xtrencoln_new.sol#1870) is too similar to Xtrencoln_transfer
toothsxcluded(address.address.uint256,uint256,uint256,uint256).rransferAndunt (Xtrencoln_New.sol#1870) is too similar to Xtrencoln_transfer
toothsxcluded(address.address.uint256,uint256,uint256,uint256).rransferAndunt (Xtrencoln_New.sol#1870) is too similar to Xtrencoln_transfer
 Variable Xtrencoin.getRValues(uint256,uint256,uint256,uint256).tTransferAmount (Xtrencoin.New.sol#1870) is too similar to Xtrencoin.transfer BothExcluded(address,address,uint256).tTransferAmount (Xtrencoin.New.sol#1870) is too similar to Xtrencoin.transfer Amount (Xtrencoin.getRValues(uint256,uint256,uint256,uint256).tTransferAmount (Xtrencoin.New.sol#1870) is too similar to Xtrencoin.getRadie Xtrencoin.getRvalues(uint256,uint256,uint256,uint256).tTransferAmount (Xtrencoin.New.sol#1870) is too similar to Xtrencoin.getValues(uint256,uint256,uint256,uint256).tTransferAmount (Xtrencoin.StransferAmount (Xtrencoin.New.sol#1872)
Variable Xtrencoin.transferAmount (Xtrencoin.New.sol#1852)
Variable Xtrencoin.transferBothExcluded(address,address,uint256).tTransferAmount (Xtrencoin.New.sol#1870) is too similar to Xtrencoin.transferBothExcluded(address,address,uint256).tTransferAmount (Xtrencoin.New.sol#1871) is too similar to Xtrencoin.transferBothExcluded(address,address.yint256).tTransferAmount (Xtrencoin.transferBothExcluded(address,address.yint256).tTransferAmount (Xtrencoin.New.sol#1871) is too similar to Xtrencoin.transferBothExcluded(address,address.yint256).tTransferAmount (Xtrencoin.New.sol#1871) is too similar to Xtrencoin.transferBothExcluded(address,address.yint256).transferAmount (Xtrencoin.New.sol#1871) is too similar to Xtrencoin.transferBothExcluded(address.address.yint256).transferAmount (Xtrencoin.New.sol#1871) is too similar to Xtrencoin.transferBothExcluded(address.yint256).transferAmount (Xtrencoin.New.sol#1871).transferAmount (Xtrencoin.New.sol#1871).tr
 Luded(address, address, unit250). ETransferAnount (Xtrencoin New. sol#997)

Variable Xtrencoin _transferFronExcluded(address, address, unit250). TransferFronEx

Eluded(address, address, unit250). ETransferAnount (Xtrencoin New. sol#305)

Variable Xtrencoin.reflectionFronToken(vint250, bool). FTransferAnount (Xtrencoin_New.sol#304) is too similar to Xtrencoin._transferNothExcluded(address, unit250). TransferAnount (Xtrencoin._New.sol#304) is too similar to Xtrencoin._transferNothExcluded(address, unit250). TransferNount (Xtrencoin New.sol#397)

Variable Xtrencoin._transferNothExcluded(address, address, unit256). FTransferAnount (Xtrencoin_New.sol#3997) is too similar to Xtrencoin._transferNoth

Variable Xtrencoin_transferPronExcluded(address, address, unit256). TransferAnount (Xtrencoin New.sol#1305) is too similar to Xtrencoin._transferToExcluded(address, unit250). ItransferNount (Xtrencoin New.sol#1305) is too similar to Xtrencoin._transferToExcluded(address, unit250). ItransferNount (Xtrencoin New.sol#1305) is too similar to Xtrencoin._transferNount (Xtrencoin New.sol#1305). TransferNount (Xtrencoin New.sol#1305) is too similar to Xtrencoin._transferNount(xolmoin New.sol#1306). TransferNount (Xtrencoin New.sol#1307) is too similar to Xtrencoin._transferNount(xolmoin New.sol#1306). TransferNount(xolmoin New.sol#1306). TransferNount(xolmoin New.sol#1306). TransferNount(Xtrencoin New.sol#1307) is too similar to Xtrencoin... transferNount(xolmoin New.sol#1306). TransferNount(Xtrencoin New.sol#1306). TransferNount(Xtrencoin New.sol#1307) is too similar to Xtrencoin... transferNount(xolmoin New.sol#1306). TransferNount(Xtrencoin New
                   table Xtremcoln, transferBothExcluded(address,address,wint256),rTransferAmount (Xtremcoln_New.sol#997) is too similar to Xtremcoln, getValues(wint2.tTransferAmount (Xtremcoln_New.sol#1852)
```

```
/ariable Xtrencoin. transferToExcluded(address,eddress,ednt256).=TransferAmount (Xtrencoin_New.sol#1294) is too similar to Xtrencoin._transferFromExcluded(address,eddress,uint256).tTransferAmount (Xtrencoin_New.sol#1383)
/ariable Xtrencoin.reflectionFromToken(utnt256,bool).rTransferAmount (Xtrencoin_New.sol#964) is too similar to Xtrencoin_getValues(utnt256).tTransfer
//ariable Xtrencoin_New.sol#1852)
   Amount (Attencoin_mex.sois.bsz)
(Fylable Xtrencoin_transferToExcluded(address_address_wint256).-TransferAmount (Xtrencoin_New.sol#1294) is too similar to Xtrencoin_transferToExclud
(d(address_address_wint256).TransferAmount (Xtrencoin_New.sol#1294)
(artable Xtrencoin_transferStandard(address_address_wint256).TransferAmount (Xtrencoin_New.sol#1284) is too similar to Xtrencoin_transferFrontXclud
(d(address_address_wint256).TransferAmount (Xtrencoin_New.sol#1284) is too similar to Xtrencoin_transferToExcluded
(artable Xtrencoin_transferStandard(address_address_wint256).FransferAmount (Xtrencoin_New.sol#1284) is too similar to Xtrencoin_transferToExcluded
   address,address,uint256).tTransferAnount (Xtrencoin New.sol#1294)
Fariable Xtrencoin_getValues(uint256).fTransferAnount (Xtrencoin_New.sol#1851) is too similar to Xtrencoin_getTValues(uint256).tTransferAnount (Xtre
    coin New tola1061)
    rois mem.ouries)
artable Xtrencoln_transferFromExcluded(address,address,uint256).rTransferAncunt (Xtrencoln_New.sol#1383) is too similar to Xtrencoln_getValues(uint
56).tTransferAncunt (Xtrencoln_New.sol#1652)
artable Xtrencoln_getValues(uint256).rTransferAncunt (Xtrencoln_New.sol#1833) is too similar to Xtrencoln_transferTeExcluded(address,address,uint25
).tTransferAncunt (Xtrencoln_New.sol#16294)
artable Xtrencoln_transferEothExcluded(address,address,uint256).rTransferAncunt (Xtrencoln_New.sol#997) is too similar to Xtrencoln_getTValues(uint
    50).tTransferAndunt (Xtrencoin New.sol#1001)
artable Xtrencoin, transferStandard(address,address,uint256).rTransferAndunt (Xtrencoin New.sol#1284) is too similar to Xtrencoin, getTValues(uint25)
      Tiransferamount (Atremonia New Spl#1861)
            table Xtrencoin. getValues(uint256).rTransferAmount (Xtrencoin New.sol#1853) is too similar to Xtrencoin. getValues(uint256).tTransferAmount (Xtren
    oth New Solfiesz)

oriable Xtremcoin, getValues(uintzsm),rfransferAmount (Xtremcoim_New Solfiesz) is too similar to Xtremcoim_transferStandard(oddress,address,uintzsm)

tTransferAmount (Xtremcoim New Solfizm)
    ariable xtremcoln. transferfromtxcluded(address,address,uint250).rfransferAngunt (xtrencoln New.sol#1303) is too similar to xtrencoln. transferBothEx
     luded(address,address,uint256).tTransferAmount (Xtrencoin New.sol#997)
arlable Xtrencoin._transferStandard(address,address,uint256).rTransferAmount (Xtrencoin_New.sol#1204) is too similar to Xtrencoin._getvalues(wint256)
   rariasis Attencoin._transferstandardisaderes, aberes, unitso).Firansferandumi (Attencoin_Mew.sol#1294) is too timitar to Attencoin._getvalues(unitso).
Attable Attencoin._getvalues(unitso).Fitansferandumi (Attencole_New.sol#1853) is too timitar to Attencoin._transferandimites(unitso).Firansferandumi (Attencoin_New.sol#997)
Ariable Attencoin._getvalues(unitso).unitso.unitso, unitso, unitso).Firansferandumi (Attencoin_New.sol#1876) is too timitar to Attencoin_getTvalues(unitso).Transferandumi (Attencoin_New.sol#1876) is too timitar to Attencoin_getTvalues(unitso).Transferandumi (Attencoin_New.sol#1876)
  es(ulnt256). TransferAmount (Ktremcoln_New.sol#1861)
variable Xtremcoln_transferFromExcluded(address,dint256).rTransferAmount (Xtremcoln_New.sol#1865) is too similar to Xtremcoln_getTValues(uln
k256).tTransferAmount (Xtremcoln_New.sol#1861)
variable Xtremcoln_transferStandard(address,address,uint256).rTransferAmount (Xtremcoln_New.sol#1284) is too similar to Xtremcoln_transferBothExclud
variable Xtremcoln_transferTotxcluded(address,address,uint256).rTransferAmount (Xtremcoln_New.sol#1284) is too similar to Xtremcoln_getTValues(uint2
k6).tTransferAmount (Xtremcoln_tex.sol#1861)
variable Xtremcoln_transferTotxcluded(address,address,uint256).rTransferAmount (Xtremcoln_New.sol#1284) is too similar to Xtremcoln_getTValues(uint2
variable Xtremcoln_getTValues(uint256).rTransferAmount (Xtremcoln_getTValues(uint256).rTransferAmount (Xtremcoln_getValues(uint256).rtransferAmount (Xtr
                        ce: https://glthub.com/crytic/slither/wikl/Detector-Documentation@variable-names-are-too-similar
 Xtremcoin_decimals (Xtremcoin New.sol#799) should be constant
Xtremcoin_name (Xtremcoin New.sol#797) should be constant
Xtremcoin_symbol (Xtremcoin New.sol#798) should be constant
Xtremcoin_symbol (Xtremcoin New.sol#798) should be constant
Xtremcoin_ounfolwantsellToAddFoi lagvidity (Xtremcoin New.sol#817) should be constant
Xtremcoin_ounfolwantsellToAddFoi lagvidity (Xtremcoin New.sol#817) should be constant
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#state-variables-that-could-be-declared-constant
    enconceDwership() should be declared external:
  - Ownable_renounceOwnership() (Xirencoin_New.sol#557-560)
transferOwnership(address) should be declared external:
Ownable transferOwnershtp(address) (Xtrencoin_New.sol#560-570)

LSBut(address) thould be declared external:

- Ktrencoin_LSBut(address) (Xtrencoin_New.sol#859-801)

name() should be declared external:

- Ktrencoin_mane() (Ktrencoin_New.sol#805-807)

symbol() should be declared external:
symbol() should be declared external:

- Ktrencoin.symbol() (Xtrencoin_New.sol#869-871)

decimals() should be declared external:

- Xtrencoin.declamis() (Xtrencoin_New.sol#873-875)

totalSupply() should be declared external:

- Xtrencoin.totalSupply() (Xtrencoin_New.sol#877-879)

transfer(address_uint236) should be declared external:

- Xtrencoin.transfer(address_uint236) (Xtrencoin_New.sol#885-889)

### **Strencoin.allowance(address_declared external:

- Xtrencoin.allowance(address_dedless) (Xtrencoin_New.sol#881-893)

approve(address_uint256) should be declared external:

- Xtrencoin.allowance(address_uint236) (Xtrencoin_New.sol#885-898)

**Trencoin.allowance(address_uint236) (Xtrencoin_New.sol#885-898)

**Trencoin.allowance(address_uint236) (Xtrencoin_New.sol#885-898)

**Trencoin.allowance(address_uint236) (Xtrencoin_New.sol#885-898)
 transferfron(address,address,ulnt256) should be declared external:

Xtrencotn.transferfron(address,address,ulnt256) (Xtrencotn_New.sol#980-997)
IncreaseAllowance(address,ulnt256) should be declared external:

Xtrencotn_tncresseAllowance(address,utnt256) (Xtrencotn_New.sol#931-934)
 decreaseAllewance(address,uint25s) should be declared external:
- Xtremcoln decreaseAllowance(address,uint25d) (Xtremcoln_New.sul#916-939)
ISENCTUDENFrontenara(address) should be declared external:
- Xtrencoin, isExcludedFrontenare(address) (Xtrencoin_New.solW943-943)
totalFees() should be declared external:
- Xtrencoin.totalFees() (Xtrencoin_New.solW943-947)
deliver(uint256) should be declared external:
 netiver(unit2s) induce the deciment external:

- Xtrencoin, deliver(unit2s6) Xtrencoin New, sol#948-956)

reflectionFromToken(unit2s6, bool) should be declared external:

- Xtrencoin, reflectionFromToken(unit2s6, bool) (Xtrencoin_Hex:sol#958-967)

macludeFromReward(address) should be declared enternal:

- Xtrencoin, excludeFromReward(address) (Xtrencoin_Hex:sol#975-982)
* Xtrencoin.excludeFronReward(address) (Xtrencoin_New.sol#975-982)
excludeFronRee(address) should be declined external:

**Xtrencoin.excludeFronRee(address) (Xtrencoin_New.sol#1688-1816)
includeInfew(address) should be declared external:

**Xtrencoin.includeInfee(address) (Xtrencoin_New.sol#1812-1814)
setSwapAndi.iquifyEnabled(bool) should be declared external:

**Xtrencoin.setSwapAndi.iquifyEnabled(bool) (Xtrencoin_New.sol#1838-1841)
isExcludedFronRee(address) should be declared external:

**Xtrencoin_isExcludedFronRee(address) (Xtrencoin_New.sol#183-1145)
hospidistSS) should be declared external:
 burn(utnt258) should be declared external:
    Xtrencoin.burn(uint256) (Xtrencoin_New.sol#1315-1317)
mint(uint256) should be declared external:
- Xtromcoin.mint(uint256) (Xtromcoin_New.sol#1327-1333)
Reference: https://github.com/crytic/slither/wiki/Detector-Docum
                                                                                                                                                                                                                      mentation#public-function-that-could-be-declared-external
```

MythX: -

Report for Xtremcoin_New.sol
https://dashboard.mythx.io/#/console/analyses/c949beba-85e9-4f7e-ad86-641569d4ee2a

https://da	shboard.myThx.io/#/console/analyses/c949be	oa-85e9-4f7e-a	ad86-641569d4ee2a
Line	SWC Title	Severity	Short Description
105	(SWC-101) Integer Overflow and Underflow	Unknown	Arithmetic operation "+" discovered
119	(SWC-181) Integer Overflow and Underflow	Unknown	Arithmetic operation "-" discovered
134	(SWC-101) Integer Overflow and Underflow	Unknown	Arithmetic operation "*" discovered
135	(SWC-101) Integer Overflow and Underflow	Unknown	Arithmetic operation "/" discovered
148	(SWC-181) Integer Overflow and Underflow	Unknown	Arithmetic operation "/" discovered
168	(SWC-101) Integer Overflow and Underflow	Unknown	Arithmetic operation "%" discovered
175	(SWC-101) Integer Overflow and Underflow	Unknown	Arithmetic operation "+" discovered
189	(SWC-101) Integer Overflow and Underflow	Unknown	Arithmetic operation "-" discovered
203	(SWC-101) Integer Overflow and Underflow	Unknown	Arithmetic operation "*" discovered
217	(SWC-181) Integer Overflow and Underflow	Unknown	Arithmetic operation "/" discovered
233	(SWC-101) Integer Overflow and Underflow	Unknown	Arithmetic operation "%" discovered
252	(SWC-101) Integer Overflow and Underflow	Unknown	Arithmetic operation "-" discovered
275	(SWC-101) Integer Overflow and Underflow	Unknown	Arithmetic operation "/" discovered
297	(SWC-101) Integer Overflow and Underflow	Unknown	Arithmetic operation "%" discovered
793	(SWC-101) Integer Overflow and Underflow	Unknown	Arithmetic operation "*" discovered
793	(SWC-101) Integer Overflow and Underflow	Unknown	Arithmetic operation "**" discovered
794	(SWC-101) Integer Overflow and Underflow	Unknown	Arithmetic operation "-" discovered
794	(SWC-101) Integer Overflow and Underflow	Unknown	Arithmetic operation "%" discovered
816	(SWC-101) Integer Overflow and Underflow	Unknown	Arithmetic operation "*" discovered
816	(SWC-101) Integer Overflow and Underflow	Unknown	Arithmetic operation "**" discovered
817	(SWC-101) Integer Overflow and Underflow	Unknown	Arithmetic operation "*" discovered
817	(SWC-101) Integer Overflow and Underflow	Unknown	Arithmetic operation "**" discovered
921	(SWC-101) Integer Overflow and Underflow	Unknown	Arithmetic operation "++" discovered
922	(SWC-118) Assert Violation	Unknown	Out of bounds array access
923	(SWC-101) Integer Overflow and Underflow	Unknown	Arithmetic operation "-" discovered
923	(SWC-110) Assert Violation	Unknown	Out of bounds array access
923	(SWC-101) Integer Overflow and Underflow	Unknown	Compiler-rewritable " <uint> - 1" discovered</uint>
986	(SWC-101) Integer Overflow and Underflow	Unknown	Arithmetic operation "++" discovered
987	(SWC-110) Assert Violation	Unknown	Out of bounds array access
988	(SWC-101) Integer Overflow and Underflow	Unknown	Compiler-rewritable " <uint> - 1 discovered</uint>
988	(SWC-101) Integer Overflow and Underflow	Unknown	Arithmetic operation "-" discovered
988	(SWC-110) Assert Violation	Unknown	Out of bounds array access

034	(SWC-101) Integer Overflow and Underflow	Unknown	Arithmetic operation "**" discovered
082	(SWC-101) Integer Overflow and Underflow	Unknown	Arithmetic operation "++" discovered
1083	(SWC-110) Assert Violation	Unknown	Out of bounds array access
1084	(SWC-110) Assert Violation	Unknown	Out of bounds array access
1685	(SWC-110) Assert Violation	Unknown	Out of bounds array access
1109	(SWC-101) Integer Overflow and Underflow	Unknown	Arithmetic operation "**" discovered
1115	(SWC-101) Integer Overflow and Underflow	Unknown	Arithmetic operation "**" discovered
1121	(SWC-101) Integer Overflow and Underflow	Unknown	Arithmetic operation "**" discovered
1232	(SWC-110) Assert Violation	Unknown	Out of bounds array access
1233	(SWC-110) Assert Violation	Unknown	Out of bounds array access
1330	(SWC-101) Integer Overflow and Underflow	Unknown	Arithmetic operation "+=" discovered
1331	(SWC-101) Integer Overflow and Underflow	Unknown	Arithmetic operation "+=" discovered

Mythril: -

root@sv-VirtualBox:/home/sv/Xtremcoin# myth analyze Xtremcoin_New.sol The analysis was completed successfully. No issues were detected.

Slither: -

```
Linter results:
  Xtremcoin.sol:104:18: Error: Parse error: missing ';' at '{'
  Xtremcoin.sol:117:18: Error: Parse error: missing ';' at '{'
  Xtremcoin.sol:129:18: Error: Parse error: missing ';' at '{'
  Xtremcoin.sol:146:18: Error: Parse error: missing ';' at '{'
  Xtremcoin.sol:158:18: Error: Parse error: missing ';' at '{'
  Xtremcoin.sol:250:18: Error: Parse error: missing ';' at '{'
  Xtremcoin.sol:273:18: Error: Parse error: missing ';' at '{'
  Xtremcoin.sol:295:18: Error: Parse error: missing ';' at '{'
```

Basic Coding Bugs

1. Constructor Mismatch

 Description: Whether the contract name and its constructor are not identical to each other.

Result: PASSEDSeverity: Critical

2. Ownership Takeover

o Description: Whether the set owner function is not protected.

Result: PASSEDSeverity: Critical

3. Redundant Fallback Function

o Description: Whether the contract has a redundant fallback function.

Result: PASSEDSeverity: Critical

4. Overflows & Underflows

 Description: Whether the contract has general overflow or underflow vulnerabilities

Result: PASSEDSeverity: Critical

5. Reentrancy

 Description: Reentrancy is an issue when code can call back into your contract and change state, such as withdrawing ETHs.

Result: PASSEDSeverity: Critical

6. MONEY-Giving Bug

 Description: Whether the contract returns funds to an arbitrary address.

Result: PASSEDSeverity: High

7. Blackhole

 Description: Whether the contract locks ETH indefinitely: merely in without out.

Result: PASSEDSeverity: High

8. Unauthorized Self-Destruct

 Description: Whether the contract can be killed by any arbitrary address.

Result: PASSEDSeverity: Medium

9. Revert DoS

 Description: Whether the contract is vulnerable to DoS attack because of unexpected revert.

Result: PASSEDSeverity: Medium

10. Unchecked External Call

o Description: Whether the contract has any external call without checking the return value.

Result: PASSEDSeverity: Medium

11. Gasless Send

 $\circ \quad \text{Description: Whether the contract is vulnerable to gasless send.}$

Result: PASSEDSeverity: Medium

12. Send Instead of Transfer

 $\circ\quad \text{Description: Whether the contract uses send instead of transfer.}$

Result: PASSEDSeverity: Medium

13. Costly Loop

 Description: Whether the contract has any costly loop which may lead to Out-Of-Gas exception.

Result: PASSEDSeverity: Medium

14. (Unsafe) Use of Untrusted Libraries

o Description: Whether the contract use any suspicious libraries.

Result: PASSEDSeverity: Medium

15. (Unsafe) Use of Predictable Variables

 Description: Whether the contract contains any randomness variable, but its value can be predicated.

Result: PASSEDSeverity: Medium

16. Transaction Ordering Dependence

 Description: Whether the final state of the contract depends on the order of the transactions.

Result: PASSEDSeverity: Medium

17. Deprecated Uses

• Description: Whether the contract use the deprecated tx.origin to perform the authorization.

Result: PASSEDSeverity: Medium

Semantic Consistency Checks

 Description: Whether the semantic of the white paper is different from the implementation of the contract.

Result: PASSEDSeverity: Critical

Conclusion

In this audit, we thoroughly analyzed Xtremcoin's Smart Contract. The current code base is well organized but there are promptly no issues found in the first phase of Smart Contract Audit.

Meanwhile, we need to emphasize that smart contracts as a whole are still in an early, but exciting stage of development. To improve this report, we greatly appreciate any constructive feedbacks or suggestions, on our methodology, audit findings, or potential gaps in scope/coverage.

About eNebula Solutions

We believe that people have a fundamental need to security and that the use of secure solutions enables every person to more freely use the Internet and every other connected technology. We aim to provide security consulting service to help others make their solutions more resistant to unauthorized access to data & inadvertent manipulation of the system. We support teams from the design phase through the production to launch and surely after.

The eNebula Solutions team has skills for reviewing code in C, C++, Python, Haskell, Rust, Node.js, Solidity, Go, and JavaScript for common security vulnerabilities & specific attack vectors. The team has reviewed implementations of cryptographic protocols and distributed system architecture, including in cryptocurrency, blockchains, payments, and smart contracts. Additionally, the team can utilize various tools to scan code & networks and build custom tools as necessary.

Although we are a small team, we surely believe that we can have a momentous impact on the world by being translucent and open about the work we do.

For more information about our security consulting, please mail us at – contact@enebula.in