



Cyberscope

# Audit Report

## **GameCraft**

June 2023

Network    BSC

Address    0xEFFfE6A0f31C8e203Db0718b57944208A9e788A

Audited by    © cyberscope

# 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

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## Review

Contract Name	GameCraft
Compiler Version	v0.8.16+commit.07a7930e
Optimization	200 runs
Explorer	<a href="https://bscscan.com/address/0xeFFfE6A0f31C8e203DbA718b57944208A9e788A">https://bscscan.com/address/0xeFFfE6A0f31C8e203DbA718b57944208A9e788A</a>
Address	0xeFFfE6A0f31C8e203DbA718b57944208A9e788A
Network	BSC
Symbol	GTC
Decimals	18
Total Supply	10,000,000

## Audit Updates

Initial Audit	08 Jun 2023 <a href="https://github.com/cyberscope-io/audits/blob/main/2-gct/v1/audit.pdf">https://github.com/cyberscope-io/audits/blob/main/2-gct/v1/audit.pdf</a>
Corrected Phase 2	12 Jun 2023 <a href="https://github.com/cyberscope-io/audits/blob/main/2-gct/v2/audit.pdf">https://github.com/cyberscope-io/audits/blob/main/2-gct/v2/audit.pdf</a>
Corrected Phase 3	23 Jun 2023

## Source Files

Filename	SHA256
<b>contracts/GameCraft.sol</b>	2c924cbc1e66ead6dd4a8ffcac388593fe5d15bd497c38dc07b1f01fcf86c8cb

# Functions Analysis

Contract	Type	Bases		
	Function Name	Visibility	Mutability	Modifiers
<b>IERC20</b>	Interface			
	totalSupply	External		-
	balanceOf	External		-
	transfer	External	✓	-
	allowance	External		-
	approve	External	✓	-
	transferFrom	External	✓	-
<b>IERC20Metadata</b>	Interface	IERC20		
	name	External		-
	symbol	External		-
	decimals	External		-
<b>Context</b>	Implementation			
	_msgSender	Internal		
	_msgData	Internal		

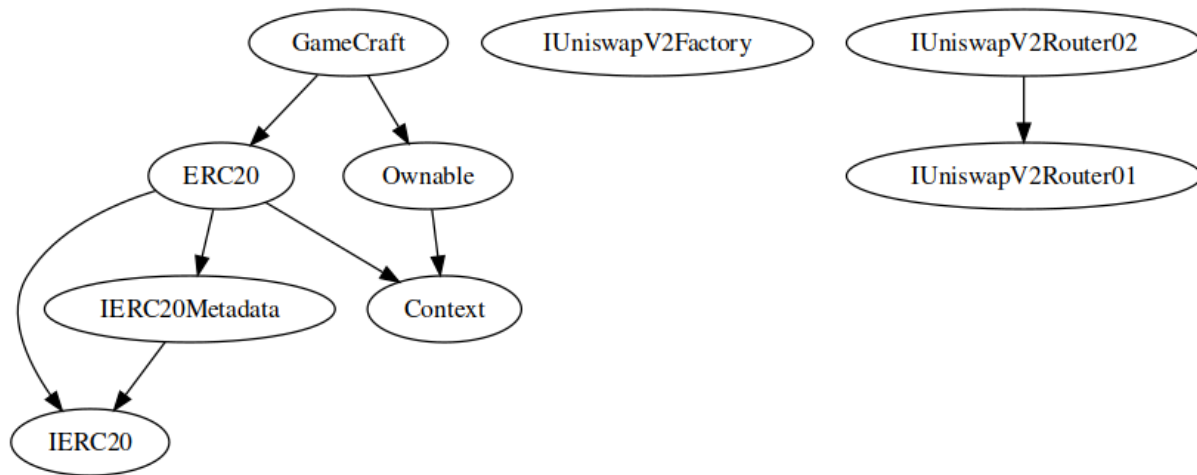
ERC20	Implementation	Context, IERC20, IERC20Meta data		
		Public	✓	-
	name	Public		-
	symbol	Public		-
	decimals	Public		-
	totalSupply	Public		-
	balanceOf	Public		-
	transfer	Public	✓	-
	allowance	Public		-
	approve	Public	✓	-
	transferFrom	Public	✓	-
	increaseAllowance	Public	✓	-
	decreaseAllowance	Public	✓	-
	_transfer	Internal	✓	
	_mint	Internal	✓	
	_burn	Internal	✓	
	_approve	Internal	✓	
Ownable	Implementation	Context		
		Public	✓	-
	owner	Public		-
	renounceOwnership	Public	✓	onlyOwner

	transferOwnership	Public	✓	onlyOwner
	_setOwner	Private	✓	
<b>IUniswapV2Factory</b>	Interface			
	createPair	External	✓	-
	getPair	External		-
<b>IUniswapV2Router01</b>	Interface			
	factory	External		-
	WETH	External		-
	addLiquidity	External	✓	-
	addLiquidityETH	External	Payable	-
	removeLiquidity	External	✓	-
	removeLiquidityETH	External	✓	-
	removeLiquidityETHWithPermit	External	✓	-
	swapExactTokensForTokens	External	✓	-
	swapExactETHForTokens	External	Payable	-
	swapExactTokensForETH	External	✓	-
<b>IUniswapV2Router02</b>	Interface	IUniswapV2Router01		
	swapExactTokensForTokensSupportingFeeOnTransferTokens	External	✓	-
	swapExactTokensForETHSupportingFeeOnTransferTokens	External	✓	-

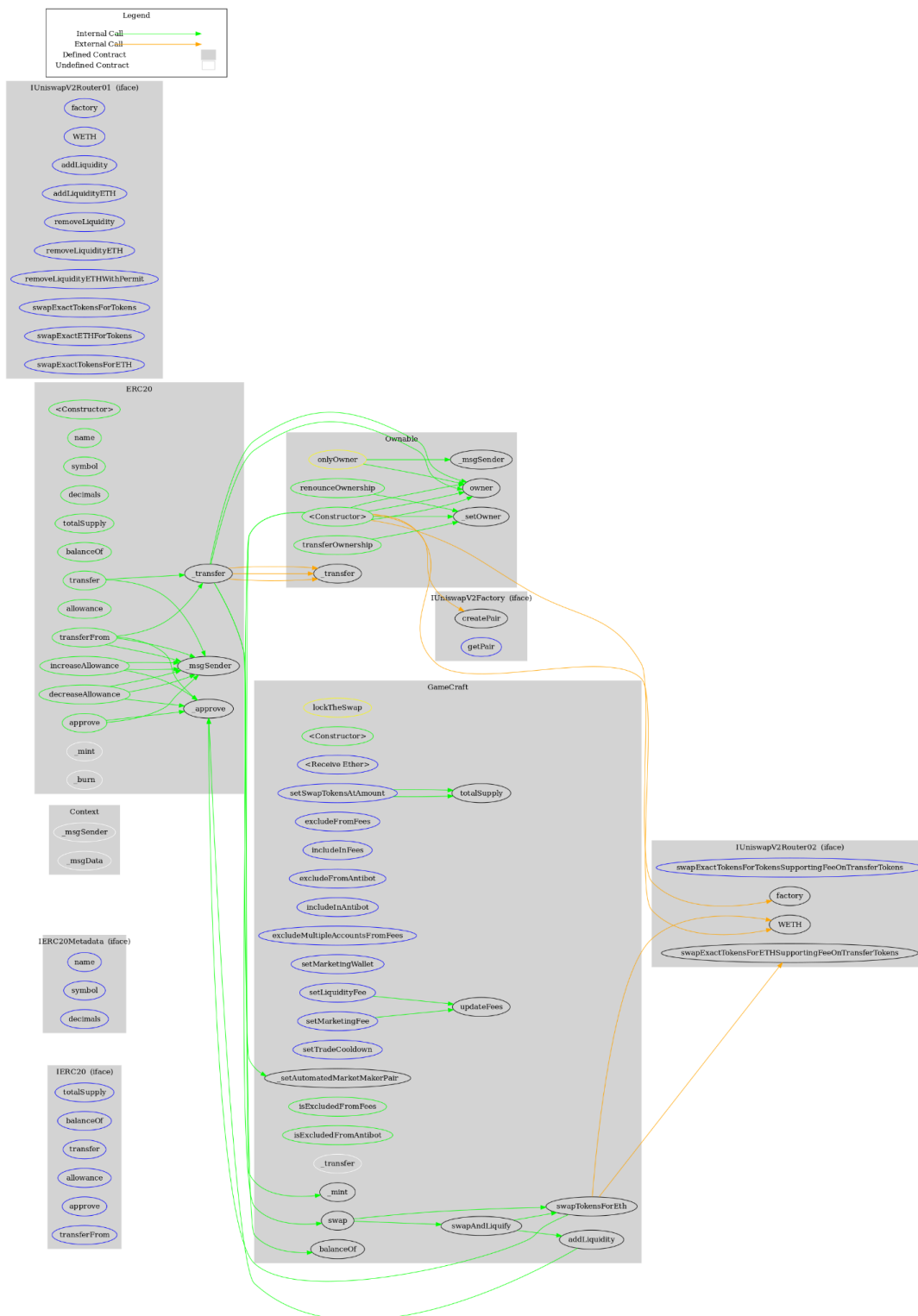


<b>GameCraft</b>	Implementation	ERC20, Ownable		
		Public	Payable	ERC20
		External	Payable	-
	setSwapTokensAtAmount	External	✓	onlyOwner
	excludeFromFees	External	✓	onlyOwner
	includeInFees	External	✓	onlyOwner
	excludeFromAntibot	External	✓	onlyOwner
	includeInAntibot	External	✓	onlyOwner
	excludeMultipleAccountsFromFees	External	✓	onlyOwner
	setMarketingWallet	External	✓	onlyOwner
	setLiquidityFee	External	✓	onlyOwner
	setMarketingFee	External	✓	onlyOwner
	setTradeCooldown	External	✓	onlyOwner
	updateFees	Internal	✓	
	_setAutomatedMarketMakerPair	Private	✓	
	isExcludedFromFees	Public		-
	isExcludedFromAntibot	Public		-
	_transfer	Internal	✓	
	swap	Private	✓	lockTheSwap
	swapAndLiquify	Private	✓	
	swapTokensForEth	Private	✓	
	addLiquidity	Private	✓	

# Inheritance Graph



## Flow Graph



## Summary

GameCraft contract implements a token mechanism. This audit investigates security issues, business logic concerns and potential improvements. GameCraft is an interesting project that has a friendly and growing community. The Smart Contract analysis reported no compiler error 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 20% fees.

## Disclaimer

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Blockchain technology and cryptographic assets present a high level of ongoing risk. Cyberscope's position is that each company and individual are responsible for their own due diligence and continuous security. Cyberscope's goal is to help reduce the attack vectors and the high level of variance associated with utilizing new and consistently changing technologies and in no way claims any guarantee of security or functionality of the technology we agree to analyze. The assessment services provided by Cyberscope are subject to dependencies and are under continuing development. You agree that your access and/or use including but not limited to any services reports and materials will be at your sole risk on an as-is where-is and as-available basis. Cryptographic tokens are emergent technologies and carry with them high levels of technical risk and uncertainty. The assessment reports could include false positives, false negatives and other unpredictable results. The services may access and depend upon multiple layers of third parties.

## 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**

<https://www.cyberscope.io>