



# Cyberscope

## Audit Report

# CryptoGotchies

November 2022

Type      BEP20

Network    BSC

Address    0x3902547fD2Ba8f0C74532B08fA7A929a73cEdf0B

Audited by   © cyberscope

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## Contract Review

<b>Contract Name</b>	GOTCHI
<b>Compiler Version</b>	v0.8.13+commit.abaa5c0e
<b>Optimization</b>	200 runs
<b>Licence</b>	None
<b>Explorer</b>	<a href="https://bscscan.com/token/0xEb19D1e8BCE5C4D6f4c78D984287b99aA9aEc0B6">https://bscscan.com/token/0xEb19D1e8BCE5C4D6f4c78D984287b99aA9aEc0B6</a>
<b>Symbol</b>	GOTCHI
<b>Decimals</b>	9
<b>Total Supply</b>	1,000,000,000
<b>Domain</b>	cryptogotchies.com

## Source Files

<b>Filename</b>	<b>SHA256</b>
<b>contract.sol</b>	b00ef793ebdabb3e2d111499df7806744a24f7a2c248ea61218bb4cbd9fd47d7

## Audit Updates

<b>Initial Audit</b>	23rd November 2022 <a href="https://github.com/cyberscope-io/audits/tree/main/gotchi/v1/audit.pdf">https://github.com/cyberscope-io/audits/tree/main/gotchi/v1/audit.pdf</a>
<b>Corrected</b>	25th November 2022

# Contract Analysis

● Critical ● Medium ● Minor / Informative ● Pass

Severity	Code	Description	Status
●	ST	Stops Transactions	Passed
●	OCTD	Transfers Contract's Tokens	Passed
●	OTUT	Transfers User's Tokens	Passed
●	ELFM	Exceeds Fees Limit	Passed
●	ULTW	Transfers Liquidity to Team Wallet	Passed
●	MT	Mints Tokens	Passed
●	BT	Burns Tokens	Passed
●	BC	Blacklists Addresses	Passed

# Contract Diagnostics

● Critical   ● Medium   ● Minor / Informative

Severity	Code	Description	Status
●	L04	Conformance to Solidity Naming Conventions	Unresolved

## L04 - Conformance to Solidity Naming Conventions

<b>Criticality</b>	minor / informative
<b>Location</b>	contract.sol#L122,48,116,79,111
<b>Status</b>	Unresolved

### 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.

```
_from  
WETH  
_value  
_spender  
totalSupply  
_to
```

### Recommendation

Follow the Solidity naming convention.

<https://docs.soliditylang.org/en/v0.8.17/style-guide.html#naming-conventions>.

# Contract Functions

Contract	Type	Bases		
	Function Name	Visibility	Mutability	Modifiers
<b>Ownable</b>	Implementation			
	<Constructor>	Public	✓	-
	owner	Public		-
	renounceOwnership	Public	✓	onlyOwner
	transferOwnership	Public	✓	onlyOwner
<b>PancakeSwap FactoryV2</b>	Interface			
	createPair	External	✓	-
<b>PancakeSwap RouterV2</b>	Interface			
	swapExactTokensForETHSupporting FeeOnTransferTokens	External	✓	-
	factory	External		-
	getAmountsIn	External		-
	getAmountsOut	External		-
	WETH	External		-
	addLiquidity	External	✓	-
	addLiquidityETH	External	Payable	-
	swapETHForExactTokens	External	Payable	-
	swapExactTokensForETH	External	✓	-
<b>GOTCHI</b>	Implementation	Ownable		
	<Constructor>	Public	✓	-
	_transfer	Internal	✓	
	transfer	Public	✓	-
	approve	Public	✓	-
	transferFrom	Public	✓	-
	setisWhitelisted	Public	✓	onlyOwner

	openTrade	Public	✓	onlyOwner
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# Contract Flow



## Domain Info

<b>Domain Name</b>	cryptogotchies.com
<b>Registry Domain ID</b>	2731521519_DOMAIN_COM-VRSN
<b>Creation Date</b>	2022-10-12T12:46:10Z
<b>Updated Date</b>	2022-10-12T12:46:12Z
<b>Registry Expiry Date</b>	2025-10-12T12:46:10Z
<b>Registrar WHOIS Server</b>	whois.google.com
<b>Registrar URL</b>	<a href="https://domains.google.com">https://domains.google.com</a>
<b>Registrar</b>	Google LLC
<b>Registrar IANA ID</b>	895

The domain was created about 1 month 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

CryptoGotchies 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.

## 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>