



Audit Report

Grand Theft Crypto (Encrypta City)

February 2022

Type BEP20

Network BSC

Address 0x055dd0415c68D47029a1Fb0384E20587D02d1FfF

Audited by © coinscope

Table of Contents

| | |
|---|-----------|
| Table of Contents | 1 |
| Contract Review | 2 |
| Audit Updates | 2 |
| Contract Analysis | 3 |
| Contract Diagnostics | 4 |
| L01 - Public Function could be Declared External | 5 |
| Description | 5 |
| Recommendation | 5 |
| L04 - Conformance to Solidity Naming Conventions | 6 |
| Description | 6 |
| Recommendation | 6 |
| L09 - Dead Code Elimination | 7 |
| Description | 7 |
| Recommendation | 7 |
| L15 - Local Scope Variable Shadowing | 8 |
| Description | 8 |
| Recommendation | 8 |
| Contract Functions | 9 |
| Contract Flow | 11 |
| Domain Info | 12 |
| Summary | 13 |
| Disclaimer | 14 |
| About Coinscope | 15 |

Contract Review

| | |
|-------------------------|---|
| Contract Name | EncryptaCityToken |
| Compiler Version | v0.5.16+commit.9c3226ce |
| Optimization | 200 runs |
| Licence | MIT |
| Explorer | https://bscscan.com/token/0x055dd0415c68D47029a1Fb0384E20587Da2d1FfF |
| Symbol | GTC |
| Decimals | 18 |
| Total Supply | 15,000,000 |
| Source | contract.sol |
| Domain | encrypta.city |

Audit Updates

| | |
|----------------------|--------------------|
| Initial Audit | 11th 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

● Critical ● Medium ● Minor

| Severity | Code | Description |
|----------|------|--|
| ● | L01 | Public Function could be Declared External |
| ● | L04 | Conformance to Solidity Naming Conventions |
| ● | L09 | Dead Code Elimination |
| ● | L15 | Local Scope Variable Shadowing |

L01 - Public Function could be Declared External

Criticality

minor

Location

contract.sol#L333,342,482,501,509

Description

Public functions that are never called by the contract should be declared external to save gas.

```
burn  
decreaseAllowance  
increaseAllowance  
...
```

Recommendation

Use the external attribute for functions never called from the contract.

L04 - Conformance to Solidity Naming Conventions

| | |
|--------------------|---------------------------|
| Criticality | minor |
| Location | contract.sol#L364,365,366 |

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.

```
_name  
_symbol  
_decimals
```

Recommendation

Follow the Solidity naming convention.

<https://docs.soliditylang.org/en/v0.4.25/style-guide.html#naming-conventions>

L09 - Dead Code Elimination

Criticality

minor

Location

contract.sol#L130,583,229,244,264,279 and 1 more

Description

Functions that are not used in the contract, and make the code's size bigger.

```
mul  
mod  
div  
...
```

Recommendation

Remove unused functions.

L15 - Local Scope Variable Shadowing

Criticality

minor

Location

contract.sol#L436,569

Description

There are variables that are defined in the local scope containing the same name from an upper scope.

```
owner
```

Recommendation

The local variables should have different names from the upper scoped variables.

Contract Functions

| Contract | Type | Bases | | |
|-----------------|----------------|------------|------------|-----------|
| | Function Name | Visibility | Mutability | Modifiers |
| | | | | |
| IBEP20 | Interface | | | |
| | totalSupply | External | | - |
| | decimals | External | | - |
| | symbol | External | | - |
| | name | External | | - |
| | getOwner | External | | - |
| | balanceOf | External | | - |
| | transfer | External | ✓ | - |
| | allowance | External | | - |
| | approve | External | ✓ | - |
| | transferFrom | External | ✓ | - |
| | | | | |
| Context | Implementation | | | |
| | <Constructor> | Internal | ✓ | |
| | _msgSender | Internal | | |
| | _msgData | Internal | | |
| | | | | |
| SafeMath | Library | | | |
| | add | Internal | | |
| | sub | Internal | | |
| | sub | Internal | | |
| | mul | Internal | | |
| | div | Internal | | |
| | div | Internal | | |
| | mod | Internal | | |
| | mod | Internal | | |
| | | | | |

| | | | | |
|--------------------------|--------------------|--------------------------|---|-----------|
| Ownable | Implementation | Context | | |
| | <Constructor> | Internal | ✓ | |
| | owner | Public | | - |
| | renounceOwnership | Public | ✓ | onlyOwner |
| | transferOwnership | Public | ✓ | onlyOwner |
| | _transferOwnership | Internal | ✓ | |
| | | | | |
| EncryptaCityToken | Implementation | Context, IBEP20, Ownable | | |
| | <Constructor> | Public | ✓ | - |
| | getOwner | External | | - |
| | decimals | External | | - |
| | symbol | External | | - |
| | name | External | | - |
| | totalSupply | External | | - |
| | balanceOf | External | | - |
| | transfer | External | ✓ | - |
| | allowance | External | | - |
| | approve | External | ✓ | - |
| | transferFrom | External | ✓ | - |
| | increaseAllowance | Public | ✓ | - |
| | decreaseAllowance | Public | ✓ | - |
| | burn | Public | ✓ | - |
| | _transfer | Internal | ✓ | |
| | _burn | Internal | ✓ | |
| | _approve | Internal | ✓ | |
| | _burnFrom | Internal | ✓ | |

Contract Flow



Domain Info

| | |
|-------------------------------|---|
| Domain Name | encrypta.city |
| Registry Domain ID | cf88ebf0d0b54451a32ab4b62f009626-DONUTS |
| Creation Date | 2022-02-03T16:19:23Z |
| Updated Date | 2022-02-08T16:20:15Z |
| Registry Expiry Date | 2023-02-03T16:19:23Z |
| Registrar WHOIS Server | whois.namecheap.com |
| Registrar URL | https://www.namecheap.com/ |
| Registrar | NameCheap, Inc. |
| Registrar IANA ID | 1068 |

The domain has been created 8 days before the creation of the audit. It will expire in 12 months.

There is no public billing information, the creator is protected by the privacy settings.

Summary

GTC (Encrypta City) aims to become more than a P2E game. The Project 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

All the content provided in this document is for general information only and should not be used as financial advice or a reason to buy any investment.

Coinscope team provides no guarantees against the sale of team tokens or the removal of liquidity by the project audited in this document. Always Do your own research and protect yourselves from being scammed.

The Coinscope team has audited this project for general information and only expresses their opinion based on similar projects and checks from popular diagnostic tools. Under no circumstances did Coinscope receive a payment to manipulate those results or change the awarding badge that we will be adding in our website.

Always Do your own research and protect yourselves from scams. This document should not be presented as a reason to buy or not buy any particular token.

The Coinscope team disclaims any liability for the resulting losses.

About Coinscope

Coinscope is the leading early coin listing, voting and auditing authority firm. The audit process is analyzing and monitoring many aspects of the project. That way, it gives the community a good sense of security using an informative report and a generic score.

Coinscope is aiming to make crypto discoverable and efficient globally. It provides all the essential tools to assist users draw their own conclusions.



The Coinscope.co team

<https://www.coinscope.co>