AUDIT REPORT

PROJECT : Hecoapes.com

1. Introduction

1. About Project

Project Name: Hecoapes.com

The contract is: 0xdDc4cd1540BEb1209F2DdFDB5d7911229e560DB8

Standard: HRC721 on Heco Chain.

2. Disclaimer

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This audit is only to the Smart-Contract code at the specified address.: https://hecoinfo.com/address/0xdDc4cd1540BEb1209F2DdFDB5d7911229e560DB8/contracts

Solidikey is a 3rd party auditing company that works on audits based on client requests. And as a professional auditing firm, we check on the contract for any vulnerabilities, backdoors, and/or scam scripts.

Therefore:

- We are not financial advisors nor do we partner with the contract owners
- Operations and website administration is fully on the client's side.
- We do not have influence over client operations, which can lead to website changes, withdrawal function closes, etc. One always has the option to do this through the contract.
- Any concerns about the project themselves need to be raised directly to the project owners and not through Solidikey.
- Investors are not in any way obliged, coerced, or influenced to invest in projects audited by Solidikey.
- We are not responsible for your funds or guarantee you profits.

2. Findings

1. **CRITICAL ISSUES (critical, high severity): 0**

Critical and harmful access for owners, user block ability, Bugs, and vulnerabilities that enable theft of funds, lock access to funds without possibility to restore it or lead to any other loss of funds to be transferred to any party.

2. **NFT Token Info (all information based on audit date: Wed Feb 09, 2022, 12:28:39 GMT+0000)**
    - Max Total Supply: 10,000
    - Minted: 20.
    - Contract balance: 0 HT
    - Total Transactions: 30
    - Name: Hecoapes
    - Symbol: Hapes
    - Contract: Max Total Supply: 10,000
    - Ready to mint: 9,980
    - Contract: 0xdDc4cd1540BEb1209F2DdFDB5d7911229e560DB8

3. **OPTIMIZATION (low severity): 1**

Methods to decrease the cost of transactions in Smart-Contract.

4. **RECOMMENDATIONS (very low severity): 0**

Hint and tips to improve contract functionality and trustworthiness.

5. **Data Processing Errors: 0**

Weaknesses in this category are typically found in functionality that processes data. Data processing is the manipulation of input to retrieve or save information. The software filters data in a way that causes it to be reduced or "collapsed" into an unsafe value that violates an expected security property. The software does not properly handle when the expected number of values

for parameters, fields, or arguments is not provided in input, or if those values are undefined.

No related vulnerabilities in smart contract code.

6. Bad coding practices:

Weaknesses in this category are related to coding practices that are deemed unsafe and increase the chances that an exploitable vulnerability will bepresent in the application. These weaknesses do not directly introduce a vulnerability, but indicate that the product has not been carefully developed or maintained. If a program is complex, difficult to maintain, not portable, or shows evidence of neglect, then there is a higher likelihood that weaknesses are buried in the code.

No related vulnerabilities in smart contract code.

3. Optimization suggestions

1. Loop on the dynamic variable (low severity).

If the user gets more parallel deposits his withdrawal transaction fee will cost more because the loop on the dynamic variable is used in the ‘withdraw’ function.

In case of the GAS limit of exceeding the size of transaction withdraw is not possible.

Note:

This comment is relevant only if a user creates an excessive number of parallel deposits (more than 100).

4. Conclusion

In the Hecoapes Smart-Contract were found no vulnerabilities, one medium issue, no backdoors, and no scam scripts.

The code was tested with compatible compilers and simulated manually reviewed for all commonly known and specific vulnerabilities.

So Hecoapes Smart-Contract is safe for use in the Heco Chain main network.

09/02/2022

If you are interested in auditing/developing a smart contract, please contact us here.
Our Website : https://solidikey.us