



SMART CONTRACT SECURITY AUDIT

ELC (BEP20)

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March, 2022

Website: soken.io

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Disclaimer

This is a comprehensive report based on our automated and manual examination of cybersecurity vulnerabilities and framework flaws. We took into consideration smart contract based algorithms, as well. Reading the full analysis report is essential to build your understanding of project's security level. It is crucial to take note, though we have done our best to perform this analysis and report, that you should not rely on the our research and cannot claim what it states or how we created it. Before making any judgments, you have to conduct your own independent research. We will discuss this in more depth in the following disclaimer - please read it fully.

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Security analysis is based only on the smart contracts. No applications or operations were reviewed for security. No product code has been reviewed.

Procedure

Our analysis contains following steps:

1. Project Analysis;
2. Manual analysis of smart contracts:
 - Deploying smart contracts on any of the network(Ropsten/Rinkeby) using Remix IDE
 - Hashes of all transaction will be recorded
 - Behaviour of functions and gas consumption is noted, as well.
3. Unit Testing:
 - Smart contract functions will be unit tested on multiple parameters and under multiple conditions to ensure that all paths of functions are functioning as intended.
 - In this phase intended behaviour of smart contract is verified.
 - In this phase, we would also ensure that smart contract functions are not consuming unnecessary gas.
 - Gas limits of functions will be verified in this stage.
4. Automated Testing:
 - Mythril
 - Oyente
 - Manticore
 - Solgraph

Terminology

We categorize the finding into 4 categories based on their vulnerability:

- Low-severity issue — less important, must be analyzed
- Medium-severity issue — important, needs to be analyzed and fixed
- High-severity issue — important, might cause vulnerabilities, must be analyzed and fixed
- Critical-severity issue — serious bug causes, must be analyzed and fixed.

Limitations

The security audit of Smart Contract cannot cover all vulnerabilities. Even if no vulnerabilities are detected in the audit, there is no guarantee that future smart contracts are safe. Smart contracts are in most cases safeguarded against specific sorts of attacks. In order to find as many flaws as possible, we carried out a comprehensive smart contract audit. Audit is a document that is not legally binding and guarantees nothing.

Token Contract Details for 07.03.2022

Contract Name: **ELC**

Deployed address: **0x4fAaC8A1B50305243104484a5A764f97BD32A470**

Total Supply: **1,000,000,000**

Token Tracker: **ELC**

Decimals: **18**

Token holders: **43**

Transactions count: **129**

Top 100 holders dominance: **100.00%**

Audit Details



Project Name: **ELC**

Language: **Solidity**

Compiler Version: **v0.8.7**

Blockchain: **BSC**

Social Profiles

Project Website: <https://www.elitecash.io>

Project Twitter: https://twitter.com/elitecash_io

Project Telegram: <https://t.me/elitecashofficial>

Project Blog: <https://www.elitecash.blog>

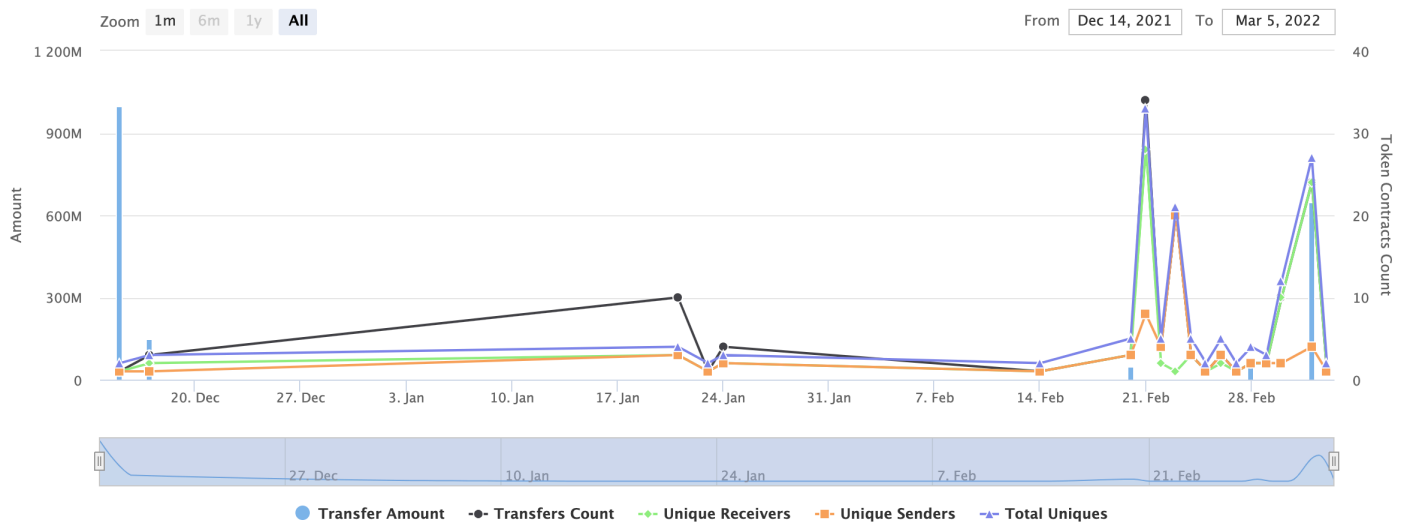
Project Discord: <https://discord.com/invite/fPbUATjME7>

Project Reddit: <https://www.reddit.com/user/elitecashio>

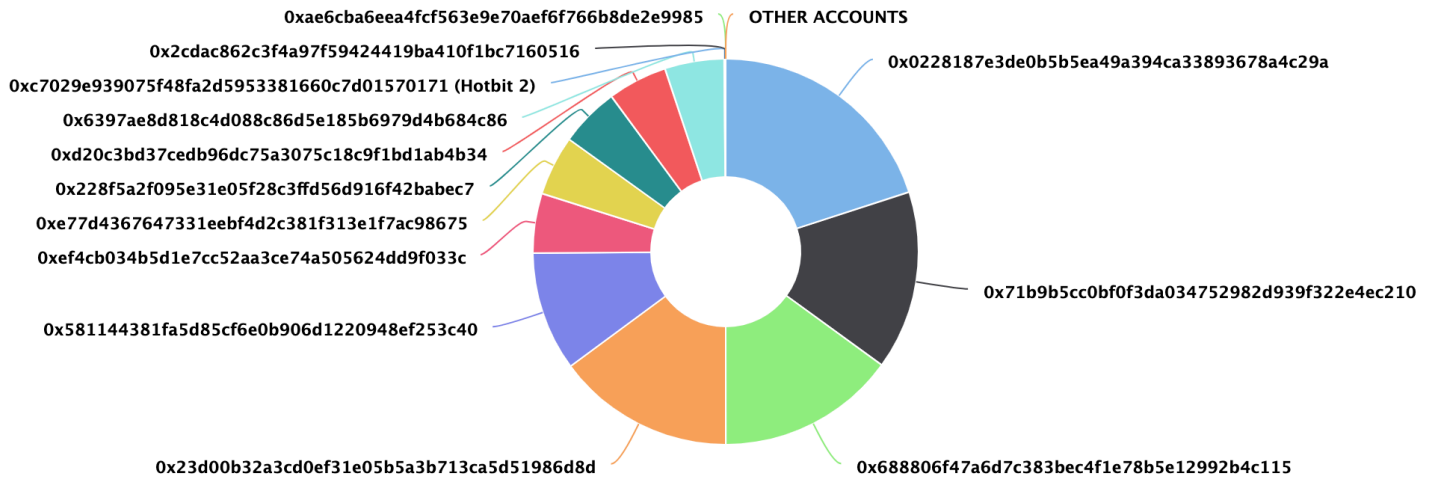
Project GitHub: <https://github.com/elitecash>

Project Medium: https://medium.com/@elitecash_io

Contract Analytics



ELC Token Distribution



ELC Top Holders

Rank	Address	Quantity (Token)	Percentage
1	0x0228187e3de0b5b5ea49a394ca33893678a4c29a	200,000,000	20.0000%
2	0x71b9b5cc0bf0f3da034752982d939f322e4ec210	150,000,000	15.0000%
3	0x688806f47a6d7c383bec4f1e78b5e12992b4c115	150,000,000	15.0000%
4	0x23d00b32a3cd0ef31e05b5a3b713ca5d51986d8d	148,981,333	14.8981%
5	0x581144381fa5d85cf6e0b906d1220948ef253c40	100,000,000	10.0000%
6	0xef4cb034b5d1e7cc52aa3ce74a505624dd9f033c	50,000,000	5.0000%
7	0xe77d4367647331eebf4d2c381f313e1f7ac98675	50,000,000	5.0000%
8	0x228f5a2f095e31e05f28c3ffd56d916f42babec7	50,000,000	5.0000%
9	0xd20c3bd37cedb96dc75a3075c18c9f1bd1ab4b34	49,950,000	4.9950%
10	0x6397ae8d818c4d088c86d5e185b6979d4b684c86	49,931,000	4.9931%

Swap Analysis

- ✓ Token is sellable (not a honeypot) at this time
- ✓ Buy fee is $\leq 10\%$ (0%)
- ✓ Sell fee is $\leq 10\%$ (0%)

Contract Analysis

- ✓ Verified contract source
- ✗ No prior similar token contracts
- ✗ Ownership renounced or source does not contain an owner contract.

Vulnerabilities checking

Issue Description	Checking Status
Compiler Errors	Completed
Delays in Data Delivery	Completed
Re-entrancy	Completed
Transaction-Ordering Dependence	Completed
Timestamp Dependence	Completed
Shadowing State Variables	Completed
DoS with Failed Call	Completed
DoS with Block Gas Limit	Completed
Outdated Compiler Version	Completed
Assert Violation	Completed
Use of Deprecated Solidity Functions	Completed
Integer Overflow and Underflow	Completed
Function Default Visibility	Completed
Malicious Event Log	Completed
Math Accuracy	Completed
Design Logic	Completed
Fallback Function Security	Completed
Cross-function Race Conditions	Completed
Safe Zeppelin Module	Completed

Security Issues

1) Owner Privileges

The contract contains ownership functionality and ownership is not renounced which allows the creator or current owner to modify contract behaviour

Conclusion

Low-severity issues exist within smart contracts. Smart contracts are free from any critical or high-severity issues.

NOTE: Please check the disclaimer above and note, that audit makes no statements or warranties on business model, investment attractiveness or code sustainability.

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