



SMART CONTRACT SECURITY AUDIT

RAYA

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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 15.09.2021

Contract Name: **RAYACrypto**

Deployed address: **0x57d26959Be4E348b218F9C623bf508a3BA0c62d2**

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

Token Ticker: **RAYA**

Decimals: **18**

Token holders: **6**

Transactions count: **6**

Top 100 holders dominance: **100%**

Audit Details

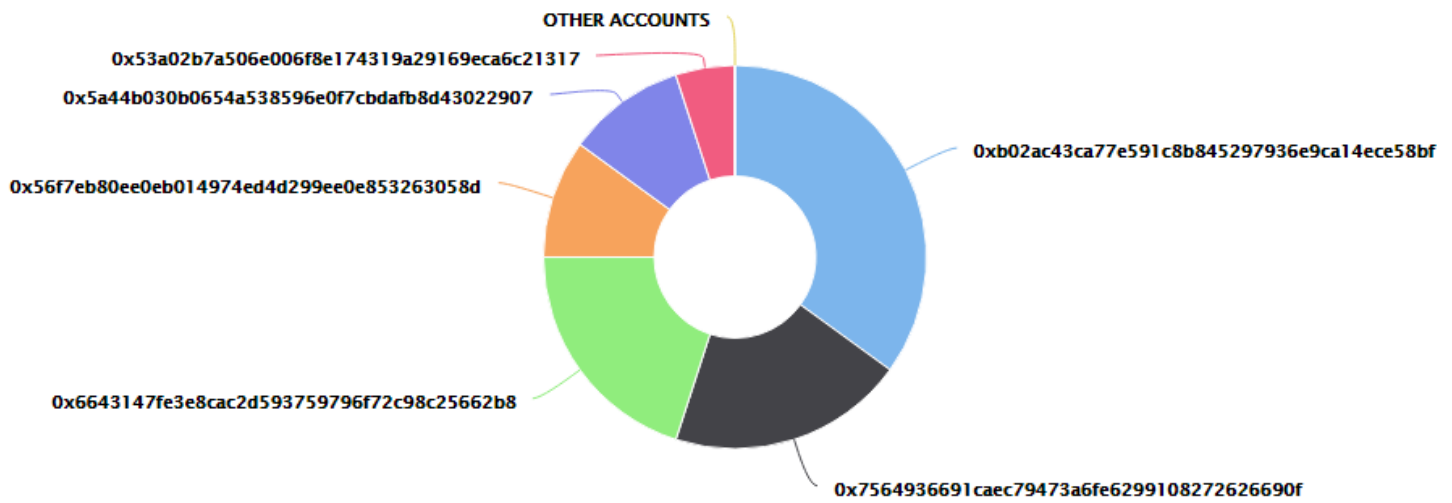


Project Name: **RAYA Crypto**

Blockchain: **Binance Smart Chain**

Project Website: **rayacrypto.com**

RAYA Token Distribution



RAYA Top 10 Holders

1	0xb02ac43ca77e591c8b845297936e9ca14ece58bf	350,000,000	35.0000%
2	0x7564936691caec79473a6fe6299108272626690f	200,000,000	20.0000%
3	0x6643147fe3e8cac2d593759796f72c98c25662b8	200,000,000	20.0000%
4	0x56f7eb80ee0eb014974ed4d299ee0e853263058d	100,000,000	10.0000%
5	0x5a44b030b0654a538596e0f7cbdafb8d43022907	100,000,000	10.0000%

Vulnerabilities checking Status

Issue Description	Checking Status
Compiler Errors	Completed
Delays in Data Delivery	Completed
Re-entrancy	Completed
Transaction-Ordering Dependence	Completed
Compiler Errors	Completed
Compiler Errors	Completed
Delays in Data Delivery	Completed
Re-entrancy	Completed
Transaction-Ordering Dependence	Completed
Compiler Errors	Completed
Compiler Errors	Completed
Delays in Data Delivery	Completed
Re-entrancy	Completed
Transaction-Ordering Dependence	Completed
Compiler Errors	Completed
Compiler Errors	Completed
Delays in Data Delivery	Completed
Re-entrancy	Completed
Transaction-Ordering Dependence	Completed

Security Issues

- 1) **High-severity issues have not been found**
- 2) **Medium-severity issues have not been found**
- 3) **Low-severity issues have not been found.**

Conclusion

Smart contracts are free from any high, medium or low-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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