



SMART CONTRACT SECURITY AUDIT

Apollo Inu

February, 2022

Website: soken.io

Table of Contents

Table of Contents	2
Disclaimer	3
Procedure	4
Terminology	5
Limitations	5
Token Contract Details for 03.02.2022	6
Audit Details	6
Social Profiles	7
Contract Analytics	7
KYC Passed	7
APOLLO Token Distribution	8
Swap Analysis	9
Contract Analysis	9
Holder Analysis	9
Contract Analysis	9
Project Website Overview	10
Project Website SSL Certification	10
Project Website Performance Audit	11
Project Website Optimization for Mobile	11
Contract Function Details	12
Vulnerabilities checking	14
Conclusion	15
Soken Contact Info	16

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.

DISCLAIMER: You agree to the terms of this disclaimer by reading this report or any portion thereof. Please stop reading this report and remove and delete any copies of this report that you download and/or print if you do not agree to these conditions. This report is for non-reliability information only and does not represent investment advice. No one shall be entitled to depend on the report or its contents, and Soken and its affiliates shall not be held responsible to you or anyone else, nor shall Soken provide any guarantee or representation to any person with regard to the accuracy or integrity of the report. Without any terms, warranties or other conditions other than as set forth in that exclusion and Soken excludes hereby all representations, warrants, conditions and other terms (including, without limitation, guarantees implied by the law of satisfactory quality, fitness for purposes and the use of reasonable care and skills). The report is provided as "as is" and does not contain any terms and conditions. Except as legally banned, Soken disclaims all responsibility and responsibilities and no claim against Soken is made to any amount or type of loss or damages (without limitation, direct, indirect, special, punitive, consequential or pure economic losses or losses) that may be caused by you or any other person, or any damages or damages, including without limitations (whether innocent or negligent).

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 03.02.2022

Contract Name: **ApolloInu**

Deployed address: **0xADf86E75d8f0F57e0288D0970E7407eaA49b3CAb**

Total Supply: **2,000,000,000,000**

Token Tracker: **APOLLO**

Decimals: **9**

Token holders: **1395**

Transactions count: **4497**

Top 100 holders dominance: **96.10%**

Audit Details



Project Name: **Apollo Inu**

Language: **Solidity**

Compiler Version: **v0.8.3**

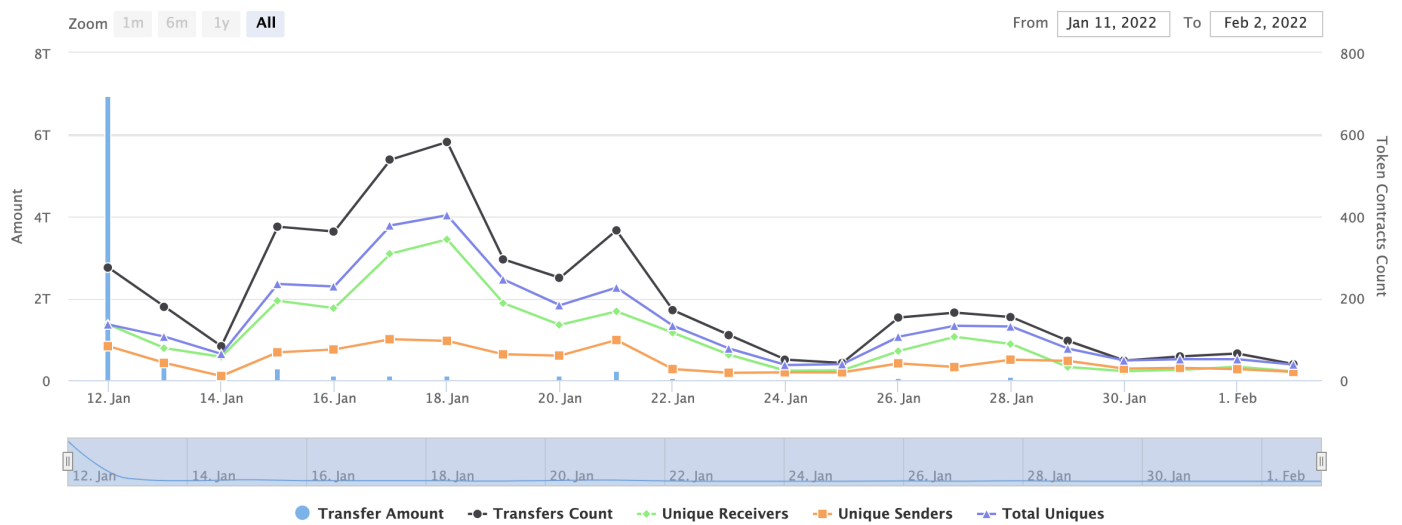
Blockchain: **Ethereum**

Social Profiles

Project Website: www.apolloinutoken.com

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

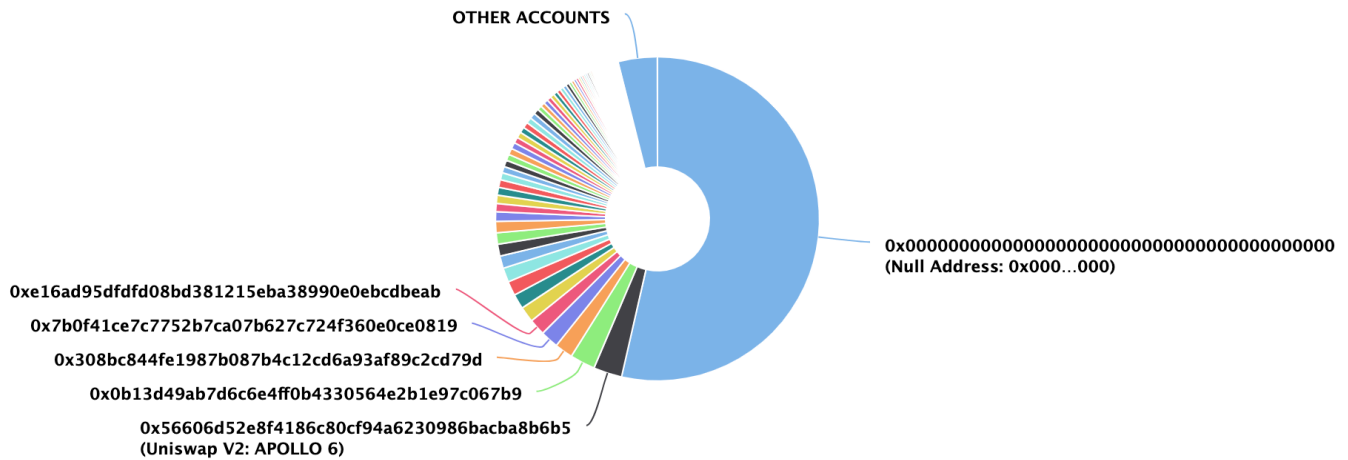
Contract Analytics





KYC Passed

The CEO of Apollo Inu project has passed KYC verification on behalf of Soken team. All personal data received from audited company will remain private until any fraudulent activity will happen.

APOLLO Token Distribution



APOLLO Top Holders

Rank	Address	Quantity (Token)	Percentage
1	Null Address: 0x000...000	1,071,507,674,484.358855891	53.5754%
2	 Uniswap V2: APOLLO 6	56,739,352,171.361186912	2.8370%
3	0x0b13d49ab7d6c6e4ff0b4330564e2b1e97c067b9	50,251,709,789.237413345	2.5126%
4	0x308bc844fe1987b087b4c12cd6a93af89c2cd79d	36,495,431,267.317630629	1.8248%
5	 0x7b0f41ce7c7752b7ca07b627c724f360e0ce0819	35,806,374,975.492013817	1.7903%
6	0xe16ad95dfdf08bd381215eba38990e0ebcdbeab	32,797,662,805.059740909	1.6399%
7	0xce5f4abae3d770240b5962e55a5372cb31ae60b0	31,351,291,347.356544905	1.5676%
8	0x2690a1bf6fefaab8255a07863c643c97daa4cd5a	29,638,605,092.806996624	1.4819%
9	0x8be665ef8309d4377265bc89914d631b667bc072	28,412,029,837.105601937	1.4206%
10	0x800d747d275ebac0403c3befe16db1f138ea98e8	28,350,251,507.227320806	1.4175%

Swap Analysis

- ✓ Token is sellable (not a honeypot) at this time
- ✓ Buy fee is $\leq 10\%$ (6%)
- ✓ Sell fee is $\leq 10\%$ (6%)

Contract Analysis

- ✓ Verified contract source
- ✓ No prior similar token contracts
- ✓ Source does not contain a proxy contract
- ✓ Source does not contain a pausable contract
- ✓ Ownership renounced or source does not contain an owner contract.

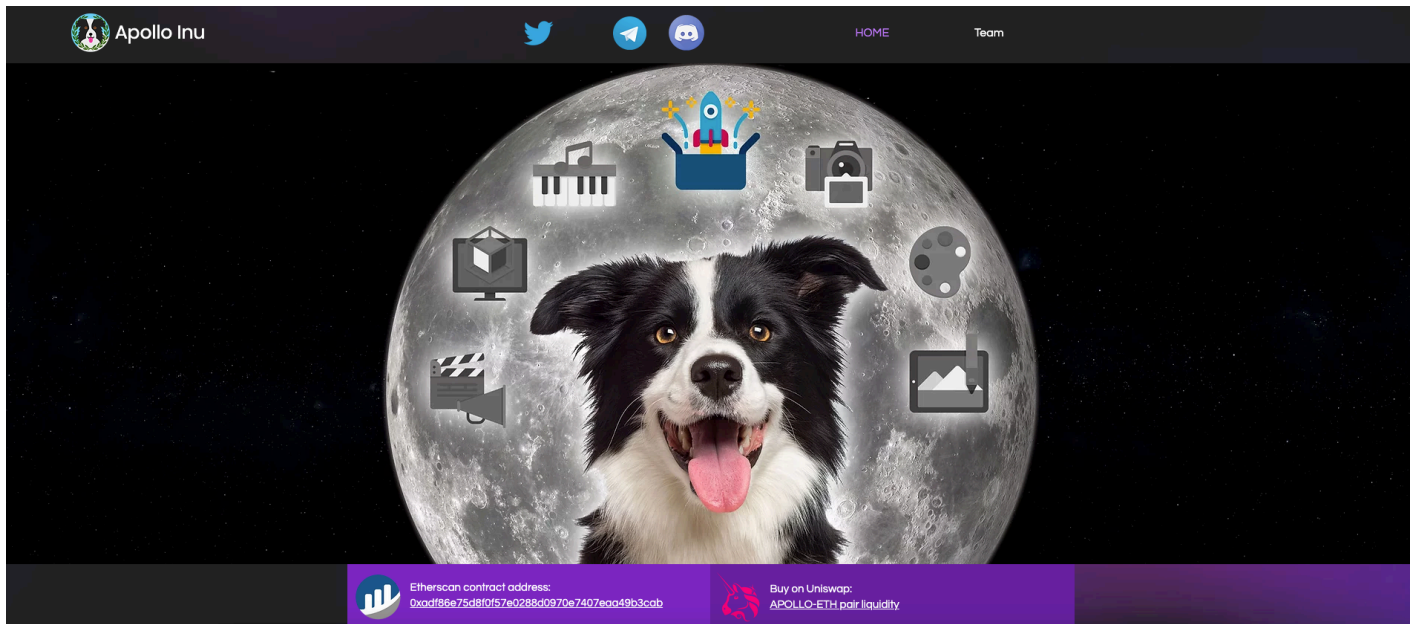
Holder Analysis

- ✓ Owner/creator wallet contains less than 10% of token supply (0 %)
- ✓ All other holders possess less than 10% of token supply

Contract Analysis

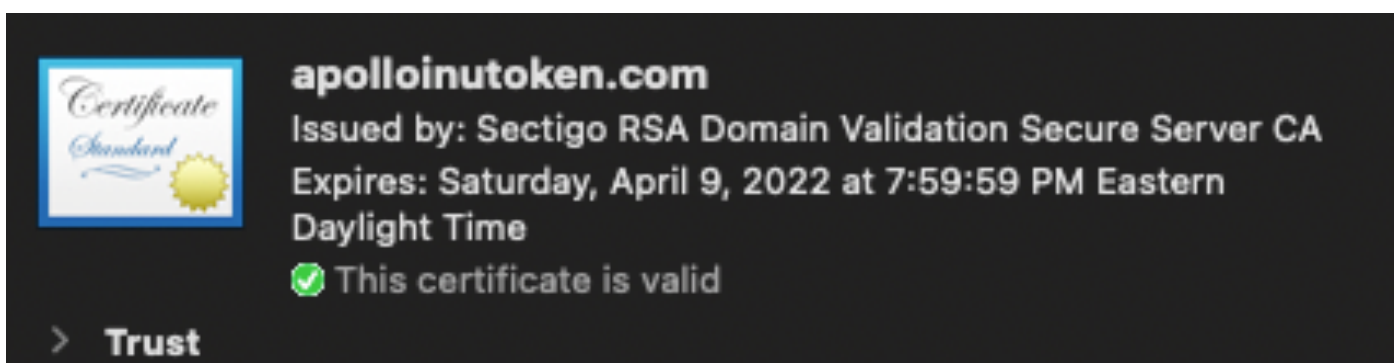
- ✓ Adequate liquidity present (296.83 ETH)
- ✓ Owner/creator wallet contains less than 5% of liquidity

Project Website Overview



- ✓ JavaScript errors hasn't been found.
- ✓ Malware pop-up windows hasn't been detected.
- ✓ No issues with loading elements, code, or stylesheets.

Project Website SSL Certification



Project Website Performance Audit

https://www.apolloinutoken.com/



Performance

Values are estimated and may vary. The [performance score is calculated](#) directly from these metrics. [See calculator.](#)

▲ 0–49 ■ 50–89 ● 90–100



METRICS

Expand

First Contentful Paint

0.7 s

Speed Index

0.7 s

Largest Contentful Paint

1.6 s

Time to Interactive

1.7 s

Total Blocking Time

20 ms

Cumulative Layout Shift

0

Project Website Optimization for Mobile

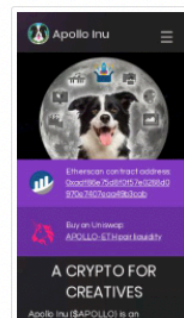
https://www.apolloinutoken.com/



Performance

Values are estimated and may vary. The [performance score is calculated](#) directly from these metrics. [See calculator.](#)

▲ 0–49 ■ 50–89 ● 90–100



METRICS

Expand view

First Contentful Paint

2.9 s

Speed Index

2.9 s

Largest Contentful Paint

5.9 s

Time to Interactive

7.8 s

Total Blocking Time

690 ms

Cumulative Layout Shift

0

Contract Function Details

+ Contract Source Code

- [Int] div
- [Int] sub
- [Int] _msgSender
- [Int] _msgData
- [Ext] factory
- [Ext] WETH
- [Ext] getPair
- [Ext] createPair
- [Ext] totalSupply
- [Ext] balanceOf
- [Ext] transfer
- [Ext] allowance
- [Ext] approve
- [Ext] transferFrom
- [Pub] name
- [Pub] symbol
- [Pub] decimals
- [Pub] totalSupply
- [Pub] balanceOf
- [Pub] transfer
- [Pub] allowance
- [Pub] approve
- [Pub] transferFrom
- [Pub] increaseAllowance
- [Pub] decreaseAllowance
- [Pub] isExcludedFromReflection
- [Pub] totalFees
- [Pub] reflect
- [Ext] burn
- [Pub] reflectionFromToken
- [Pub] tokenFromReflection
- [Prv] excludeAccountFromReflection
- [Prv] includeAccount
- [Prv] _approve
- [Prv] _transfer
- [Prv] _transferStandard
- [Prv] _transferToExcluded
- [Prv] _transferFromExcluded
- [Prv] _transferBothExcluded
- [Prv] _handleFees
- [Prv] _getValues

- [Prv] _getTValues
- [Prv] _getRValues
- [Prv] _getRate
- [Prv] _getCurrentSupply
- [Prv] isExcludedFromFees
- [Prv] excludeFromFees
- [Prv] removeFromExcludeFromFees
- [Prv] removeAllFee
- [Prv] restoreAllFee
- [Ext] changeArtistAddress

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

Conclusion

Smart contracts are free from any low, medium, 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.

Soken Contact Info

Website: www.soken.io

Mob: (+1)416-875-4174

32 Britain Street, Toronto, Ontario, Canada

Telegram: @team_soken

GitHub: sokenteam

Twitter: @soken_team

