soken

SMART CONTRACT SECURITY AUDIT

Degen Sniper

Scan and check this report was posted at Soken Github

March, 2023

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 of the project's smart contract.

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.

Basic Security Recommendation

Unlike hardware and paper wallets, hot wallets are connected to the internet and store private keys online, which exposes them to greater risk. If a company or an individual holds significant amounts of cryptocurrency in a hot wallet, they should consider using MultiSig addresses. Wallet security is enhanced when private keys are stored in different locations and are not controlled by a single entity.
More info: **https://blog.soken.io/how-to-gnosis-multisig-1c6c0860586f**

Token Contract Details for 10.03.2023

Contract Name: **DegenMillionairesClub**

Deployed address: **0xf3b9bDCC2994543C9D3Ca04D062D7c0BAFE561F4**

Total Supply: **10,000,000**

Token Tracker: **DMC**

Decimals: **18**

Token holders: **98**

Transactions count: **225**

Top 100 holders dominance: **100.00%**

Audit Details

Project Name: **Degen Sniper**

Language: **Solidity**

Compiler Version: **v0.6.12**

Blockchain: **Arbitrum**

*Contract owner is not

Social Profiles

Project Website: **https://degensniper.com/**

Project Twitter: **https://twitter.com/degenclub_dmc**

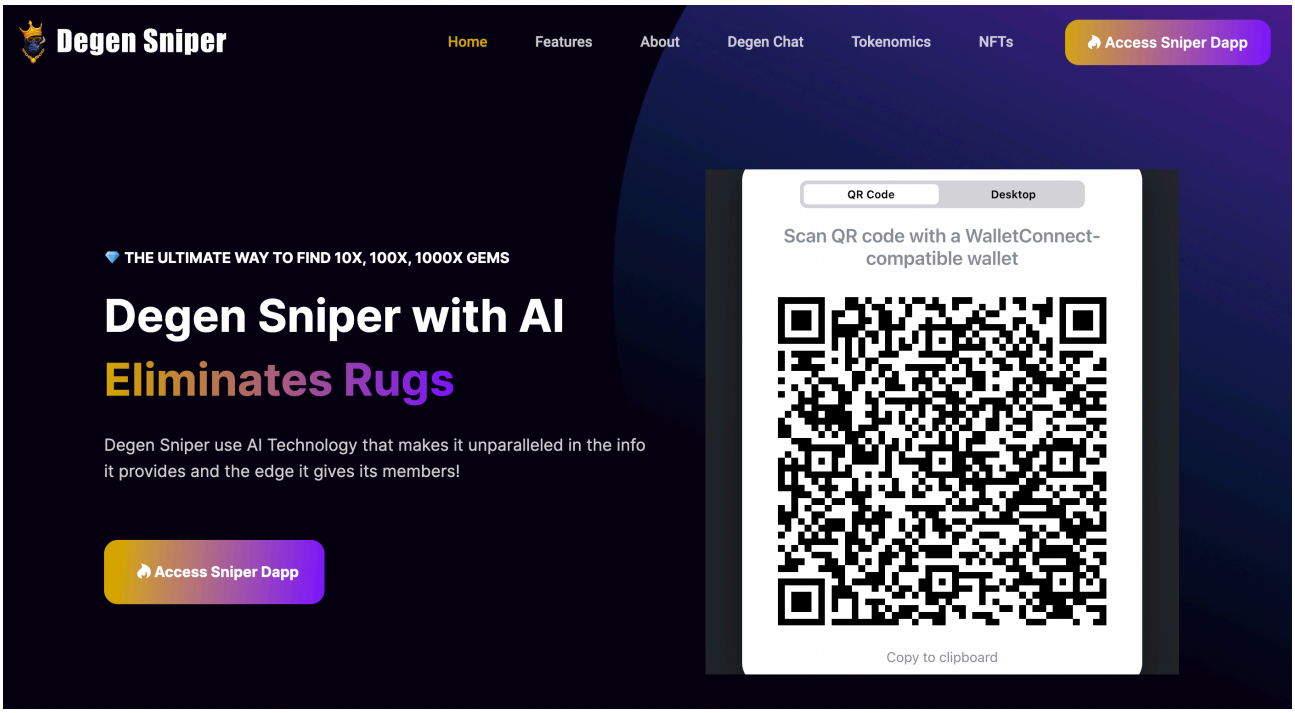
Project Telegram: **https://t.me/DegenMillionairesClub**

Project Medium: **https://medium.com/@degenmillionairesclub**

Project Twitch: **https://www.twitch.tv/degenmillionairesclub**

Project Youtube: **https://www.youtube.com/channel/UCtVuidsaxqKaVs_g50-nFEg**

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

Issued To

Common Name (CN)	*.degensniper.com
Organization (O)	<Not Part Of Certificate>
Organizational Unit (OU)	<Not Part Of Certificate>

Issued By

Common Name (CN)	GTS CA 1P5
Organization (O)	Google Trust Services LLC
Organizational Unit (OU)	<Not Part Of Certificate>

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 Complier 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) Presence of Overpowered Role: Informational.

L861-874, 1046-1052, 1220-1228, 1230-1244, 1439-1572, 1766-1787.

The overpowered owner (i.e., the person who has too much power) is a project design where the contract is tightly coupled to their owner (or owners); only they can manually invoke critical functions. Due to the fact that this function is only accessible from a single address, the system is heavily dependent on the address of the owner. In this case, there are scenarios that may lead to undesirable consequences for investors, e.g., if the private key of this address is compromised, then an attacker can take control of the contract.

Conclusion for project owner

Informational-severity issues exist within smart contracts.

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

SECURITY REPORT
FOR COMMUNITY

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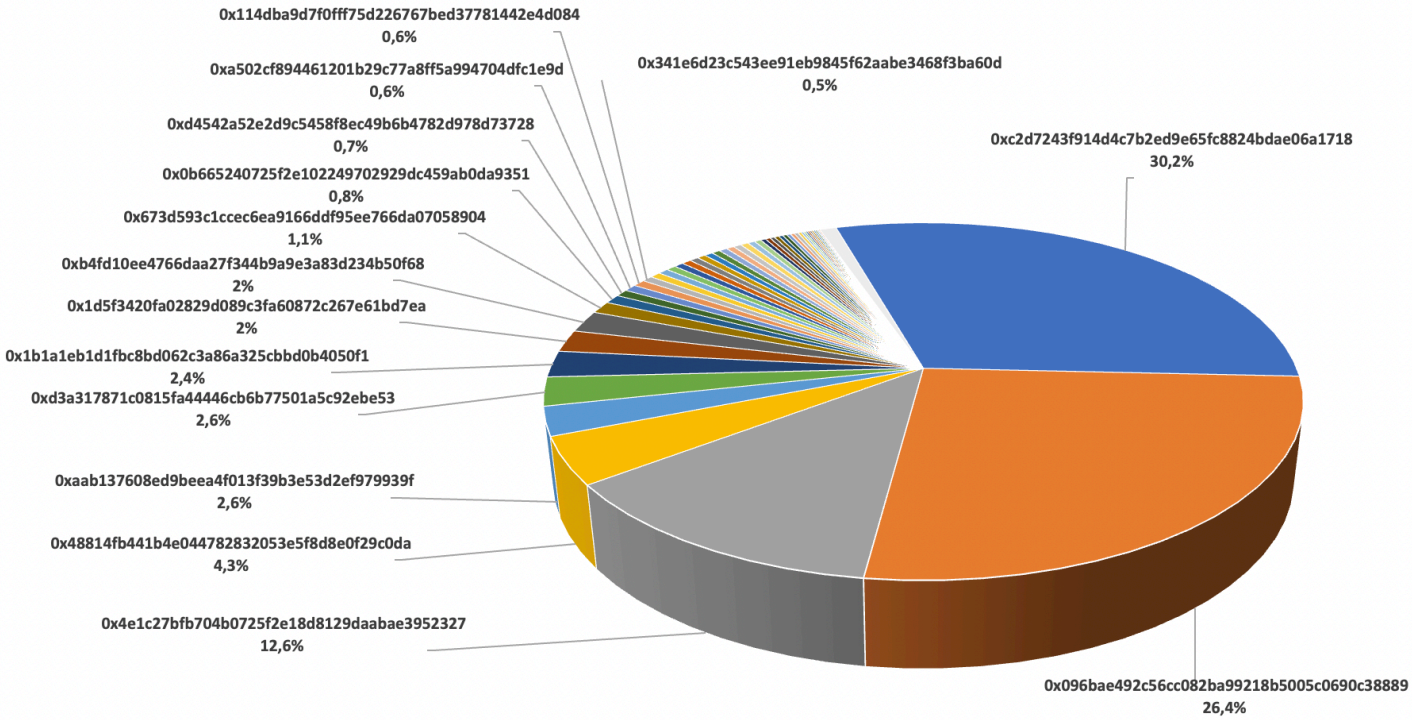
DMC Token Distribution



DMC Top 10 Holders

Rank	Address	Quantity (Token)	Percentage
1	0xc2d7243f914d4c7b2ed9e65fc8824bdae06a1718	3,016,826.667375838404921129	30.1683%
2	0x096bae492c56cc082ba99218b5005c0690c38889	2,636,010	26.3601%
3	0x4e1c27bfb704b0725f2e18d8129daabae3952327	1,264,202.145991035651669896	12.6420%
4	0x48814fb441b4e044782832053e5f8d8e0f29c0da	426,604.682616701938388608	4.2660%
5	0xaab137608ed9beea4f013f39b3e53d2ef979939f	260,724.904373316274194304	2.6072%
6	0xd3a317871c0815fa44446cb6b77501a5c92ebe53	260,724.063601133764194304	2.6072%
7	0x1b1a1eb1d1fbc8bd062c3a86a325cbbd0b4050f1	240,000.909192883199	2.4000%
8	0x1d5f3420fa02829d089c3fa60872c267e61bd7ea	200,871.9668	2.0087%
9	0xb4fd10ee4766daa27f344b9a9e3a83d234b50f68	199,229.056496316747229342	1.9923%
10	0x673d593c1ccec6ea9166ddf95ee766da07058904	112,000	1.1200%

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