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SafeDAO: VestingPool Audit Summary



Andrea Nováková // [AUDITS](#), [ETHEREUM](#) MAY 27, 2022



[Gnosis Safe](#) engaged [Ackee Blockchain](#) to review and [audit](#) SafeDAO's VestingPool contract between **May 23 and 27, 2022**. The entire audit process was conducted with a total time commitment of **2 engineering days**. We now publish a summary of our results.

METHODOLOGY

We start by reviewing the specifications, sources, and instructions provided to us, which is essential to ensure we understand the project's size, scope, and functionality. This is followed by due diligence using the automated [Solidity](#) analysis tools and [Slither](#).

In addition to tool-based analysis, we continue with a detailed manual code review, which is the process of reading the source code line by line to identify potential vulnerabilities or code duplications. When the code review is complete, we run unit tests to ensure the system works as expected and potentially write missing unit or fuzzy tests. We also deploy the [contracts](#) locally and try to attack and break the system.

SCOPE

We audited commit `a50728c28dd510ceae1b65bb526db98148a76f31` of the [safe-global/safe-token](#) repository.

During the security review, **we focused on** discovering issues, vulnerabilities, and gas optimizations in the source code of SafeDAO's [VestingPool contract](#).

FINDINGS

Here we present our [findings](#).

Critical severity

No critical severity issues were found.

High severity

No high severity issues were found.

Medium severity

M1: Pool Manager role

Low severity

No low severity issues were found.

Warning severity

No warning severity issues were found.

Informational severity

I1: Public functions

I2: Typos in the comments

I3: Possible gas optimization in `claimVestedTokens()`

CONCLUSION

Our review resulted in **4 findings** ranging from *Informational* to *Medium* severity.

Generally, we can state that **the code quality is very high**, and the code is well commented. The documentation is sufficient, and the client's test coverage is nearly *100%*.

Update: On **June 23, 2022**, Gnosis Safe provided an updated codebase that addresses the reported issues. Some of the findings (I2, I3) were acknowledged and fixed, and the rest (M1, I1) were marked as “not an issue” after additional information was provided.

Ackee Blockchain's full *SafeDAO's VestingPool contract* audit report with a more detailed description of all findings and recommendations can be found [here](#).

We were delighted to audit **Gnosis Safe** and look forward to working with them again.

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