



hack-a-chain

SECURITY AUDIT REPORT
in favor of META FIGHTER





Summary

This report has been prepared for Deliq Finance in the source code of the project as well as in project dependencies that are not part of an officially recognized library. The audit has been conducted by combining static and dynamic code analysis with a manual review of the source code by Hack-a-Chain's research team.

The audit process analyses:

- 1) Adherence to widely recognized best practices and industry standards;
- 2) Vulnerability to most common attack vectors;
- 3) Thorough line-by-line review of the code base;
- 4) Ensuring that contract logic meets the specifications of the project's whitepaper.

The security audit result is composed of different findings, whose vulnerabilities are classified from critical to informational, according to the following impact versus likelihood matrix:

Impact	High	Critical	High	Medium	
	Medium	High	Medium	Low	
	Low	Medium	Low	Low	Informational
Likelihood		High	Medium	Low	

After presenting the findings to the client, they are granted a 7 days period to fix the vulnerabilities. This report will specify all vulnerabilities found and whether they were fixed by the team.



Overview

Project Summary

Project Name	Meta Fighter
Description	Native token contract for the project
Platform	BSC (Binance Smart Chain protocol, EVM)
Language	Solidity
Codebase	https://gitlab.com/fruktorum/backend/meta-fighter/contracts/test
Commit	06ee439aa95be2e27de4e172b8f83c652fb20c87
Contract Address	0xBb6cDedac5CaB4A420211a4A8e8B5DCA879B31De

Audit Summary

First delivery date	03/29/2022
Final delivery date	04/04/2022
Audit Methodology	Manual review combined with static/dynamic analysis

Audit Scope

ID	File	SHA256 Checksum
TOK	MFToken.sol	a6c46723b70fd7386753d16ec790d1430afdebe2077de6ea1ef6e22989c4b0ca

Findings

ID	Title	Category	Severity	Status
No vulnerabilities were found				



Appendix

Dependencies

Anti bot technology

The code base implements anti bot technology synapsenetwork (<https://synapsenetwork.gitbook.io/synapse-antibot/>) which has been audited by verified third parties.

Checksum

The "Checksum" field in the "Audit Scope" section is calculated as the SHA-256 (Secure Hash Algorithm 2 with digest size of 256 bits) digest of the content of each file hosted in the listed source repository under the specific commit.

The result is hexadecimal encoded and is the same as the output of the Linux "sha256sum" command against the target file.



Issue Checking Status

Nº	Issue Description	Checking Status
1	Compiler Warnings.	Passed
2	Race conditions and Reentrancy. Cross-function race conditions.	Passed
3	Possible delays in data delivery.	Passed
4	Oracle calls.	Passed
5	Front running.	Passed
6	Timestamp dependence.	Passed
7	Integer Overflow and Underflow.	Passed
8	DoS with Revert.	Passed
9	DoS with block gas limit.	Passed
10	Methods execution permissions.	Passed
11	Economy model.	Passed
12	The impact of the exchange rate on logic.	Passed
13	Private user data leaks.	Passed
14	Malicious Event log.	Passed
15	Scoping and Declarations.	Passed
16	Uninitialized storage pointers.	Passed
17	Arithmetic accuracy.	Passed
18	Design Logic.	Passed
19	Cross-function race conditions.	Passed
20	Safe Zeppelin Module.	Passed
21	Fallback function security.	Passed
22		
23		
24		
25		



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This report should not be used in any way to make decisions around investment or involvement with any particular project. This report in no way provides investment advice, nor should be leveraged as investment advice of any sort. This report represents an extensive assessing process intended to help our customers increase the quality of their code while reducing the high level of risk presented by cryptographic tokens and blockchain technology.

Blockchain technology and cryptographic assets present a high level of ongoing risk. Hack-a-Chain's position is that each company and individual are responsible for their own due diligence and continuous security.

Hack-a-Chain's goal is to help reduce the attack vectors and the high level of variance associated with utilizing new and consistently changing technologies, and in no way claims any guarantee of security or functionality of the technology we agree to analyze.

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SECURITY AUDIT CERTIFICATE

MetaFighter

We, Hack-a-Chain, Blockchain Specialist Software Development and Audit Company, in this act represented by our Chief Technology Officer, João Antônio Schmidt da Veiga, grant this **Security Audit Certificate** in favor of **MetaFighter**, recognizing that they have passed through the security audit process and corrected all the issues that have been found in the following smart contracts:

1. Native token contract for the project

The full security audit report and its disclaimer can be found in the following link:

<https://github.com/hack-a-chain/security-audits>

Devoted to enhancing security in the Blockchain Ecosystem and to provide the best quality service for our clients and the community, we sign this Certificate:

João Antônio Schmidt da Veiga

Chief Technology Officer